Thoroughbred Market Report



FEBRUARY 2023

Editor – Bill Oppenheim, bopp@billoppenheim.com Managing Editor – Emily J Plant PhD, emily@billoppenheim.com Worldwide Sales Ticker – Brianne Stanley, bristanley1@gmail.com

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Keeneland January Sale, photo courtesy Keeneland

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- 699 sires in North America, Europe, and Japan were assigned APEX stallion ratings, covering racing 2016-2022, at the end of 2022. There were 113 sires in Japan, 586 in NA/EU. Of those in NA/EU, 363 had 195+ year-starters in 2016-2022. **Galileo** (6.16) was the leading sire by the signature A Runner Index for the 6th time in the last nine years; Dubawi (5.49) ranked second, **Frankel** (4.74) third. **Gun Runner** (4.59) debuted as #4 overall and #1 in North America. Of the 15 sires with 3.00+ A Runner Indexes, eight were in North America, seven in Europe. Galileo (223) and Dubawi (182) were the top sires by number of A Runners; Dubawi (2.90) topped Galileo (2.71) by ABC Runner Index, but **Into Mischief** (433) trumped them both by number of ABC Runners (Galileo 393, Dubawi 384) over the seven seasons.
- Tables isolating 82 NA/EU F2018 sires with first 4yo's 2022 and 76 F2019 sires with first 3yo's. Among F2018 sires Europeans New Bay and Mehmas and Americans Not This Time and Nyquist topped the charts. Not This Time led three categories: number of A Runners (20), ABC Runner Index (2.31), and number of ABC Runners (60). Mehmas was a nose second in both numbers categories with 19 A Runners and 59 ABC Runners. New Bay (3.46) was the top F2018 sire by A Runner Index, with Not This Time (3.09) second, while New Bay (2.06) was also second to Not This Time by ABC Index. Among F2019 sires with 100+ year-starters, Gun Runner topped three categories: A Runner Index (4.59), with French sire Zarak (4.33) second; number of A Runners (18) and ABC Index (2.55). Practical Joke was second by number of A Runners (9) and ABC Index (2.16) and actually tops Gun Runner by number of ABC Runners, 41 to 40.
- In Section 2 we review 289 NA/EU sires who had 5+ ABC Runners just in 2022. Dubawi (31) edged Into Mischief (30) by number of 2022 A Runners, followed by Frankel (25) and Curlin (23). Into Mischief (73) was the top sire of 2022 ABC Runners ahead of Dubawi (64). Then we look at the five youngest sire crops by 2022 ABC runners: F2020 sires headed by Havana Grey (11 ABC Runners), ahead of Bolt D'Oro and Justify (10 each): F2019 Gun Runner and Practical Joke (31 each); F2018 Not This Time (32); F2017 American Pharoah (34) and Constitution (33); and F2016 Kingman (37). We also look at the top sires of 2022 ABC 2yo Runners (Kodiac 12) and 2022 ABC 3yo Runners- Dubawi and Gun Runner 26 each, Frankel 25, Into Mischief 23, and Practical Joke 21.
- Worldwide Sales Tickers covering the Magic Millions Gold Coast Yearling sale and the Keeneland January sale. Both sales were
 extremely close to the 2022 results. Magic Millions, the highest-grossing yearling sale in Australia, grossed A\$243-million compared to
 A\$242-million last year; Keeneland January grossed \$45.4-million, a marginal drop from \$46.3-million, though the average was up
 about \$2,000 (3%) to \$47,202. Both sales saw about a 4% drop in clearance rates.
- Bill's Tweets. He got going again last month after once again taking December off from tweeting.

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SECTION 1: APEX NORTHERN HEMISPHERE YEAR-END 2022

EURO TOP 3 MAINTAIN POSITIONS IN YEAR-END 2022 APEX COMPILATIONS

Galileo Top APEX Sire for 6th Time; Gun Runner New North American #1

APEX Sire Ratings were developed at Racing Update 30 years ago and are essentially a better average-earnings index. APEX by the way stands for Annual Progeny Earnings IndeX. One key difference is this: the average-earnings index divides all earnings by a sire by the number of his runners in a year (or season, in the Southern Hemisphere) and divides the sire's average earnings by the average earnings for all sires in that year. APEX establishes three class levels: A Runners (the top 2% of earners/runners); B Runners (the next 2%); C Runners (the next 4%); and therefore ABC Runners (the top 8%), then measures the frequency with which a sire gets runners in each of these categories and divides the sire's percentage of, for example, A Runners by 2% (the percentage for all sires from all runners). In APEX ratings one huge earner can't inflate a sire's index ratings; it's just another A Runner. Over horses' careers, about 4% of named foals become A Runners in one or more seasons about the same percentage of Group-Graded plus Listed winners.

There are two other key differences from a cumulative average-earnings index. First, we limit the data to the previous seven seasons (for the 2023 ratings: 2016-2022), which identifies sires who might have once been great but have fallen off. Second, we do not count all runners by all sires in our calculations. That method seems logical but in fact, when applied commercially, it tends to inflate sires' ratings within the commercial population. We exclude all sires which average fewer than 10 foals/crop as having no impact in the thoroughbred commercial world. This eliminates about a third of sires and 20% of foals but results in index figures which have a more accurate commercial application than the 'purer' all sires/all runners method. Our method is absolutely just as logically sound – and much more accurate when applied commercially. We also do not assign APEX ratings until sires have 3yo's; the numbers for freshman sires just prove to be too dodgy.

One thing APEX ratings have in common with average-earnings indexes is they are calculated on

an annual basis, meaning one horse is counted as one runner every year/season it races, up to seven in APEX. So a horse who races in two different years is two Runners, etc., and the same for A, B, and C Runners; Winx, for example counted as six A Runners, because she reached the respective A Runner earnings thresholds in six separate seasons. There are a total of 17 different APEX ratings: A, B, and C Runners in each of three Northern Hemisphere Regions (North America, Europe, Japan), so that's nine indexes; A, B, C, and ABC runners combined in the three regions combined, which is four more indexes; and 'age indexes' for ABC Runners as 2yo's, 3yo's, 4yo's and 5yo's and up. This enables us to chart sires' typical progression at different ages: Sea The Stars, for example, has ABC Age Ratings of: 2yo-0.62; 3yo-1.75; 4yo-1.93; 5yo+ 2.41. So you know when you breed to or buy one by Sea The Stars it is less likely to be a smart 2yo compared to, say, his half-brother Galileo (2yo-2.94).



Galileo, 6.16 A Runner Index. Photo courtesy Coolmore

Galileo is in fact the #1 sire by A Runner Index (6.16, meaning 12.32% of his year-starters 2016-2022 achieved the A Runner earnings thresholds in their respective jurisdictions), which we consider the single most important APEX metric. This is the sixth time in the last nine years Galileo has held that distinction, which is really pretty amazing considering sires with huge numbers of runners (he has 1,810 year-starters in seven years, an average of 258/year) are at a disadvantage in index calculations as opposed to, say, progeny earnings calculations where the more runners a horse has, the more chances he has to improve his rating. The three years he wasn't the highest-rated he was second to a then-younger sire who had made a sensational start: Uncle Mo at the end of 2017, when he had his first 4yo's; and his own son Frankel in 2019 and 2020.

Fellow European sires **Dubawi** (5.49) and **Frankel** (4.74) rank two-three by A Runner Index among 363 North American and European sires with 195+ year-starters 2016-2022. Sharp-eyed readers may wonder why we are using 195 this year when we usually require 200 year-starters to be eligible for our overall Top 50 lists. The answer is simple: Gun Runner (4.59), who finished his progeny's first 3yo seasons with 196 year-starters. We're a flexible bunch, and it seemed a shame to leave him out because he didn't happen to have another four year-starters by the end of 2022, so – 195 it is, for this year anyway. He comes in at #4 on the charts, relegating the long-reigning former NA #1, War Front (3.74), to #2 in North America and #5 overall. Another 10 NA/EU sires with 195+ yearstarters record A Runner Indexes of 3.00+: Europeans Adlerflug (3.73), New Bay (F2018, 1st foals 4yo's of 2022, 3.46), **Sea The Stars** (3.43), and Farhh (3.02); and Kentucky sires Curlin (3.56), Constitution (F2017, 1st 5yo's 2022, 3.46), Tapit and Medaglia D'Oro (both 1st foals 2006, both 3.23), **Uncle Mo** (3.13), and F2018 (1st 4yo's) **Not This Time** (3.09).



Gun Runner, 4.59 A Runner Index. Photo courtesy Three Chimneys

From 363 NA-EU sires with 195+ year-starters 2016-2022, the 15 with A Runner indexes of 3.00+ represents 4% of what we could call the commercial stallion population. A total of 47 sires (13% of 363 sires) had A Runner indexes of 2.00+. The 10 sires who complete the Top 25 include Europeans Shamardal (2.85), Kingman (2.81), Pivotal and Wootton Bassett (both 2.73), Night Of Thunder (2.69), and Teofilo (2.66), and Americans Laoban (F2018, 2.91 in NY crops), Into Mischief (2.78, with 2,430 year-starters – 347/yr), Speightstown (2.74), and Candy Ride (2.60). It's quite remarkable that four F2006 North American sires who we dubbed the 'fearsome foursome' 12 or 13 years ago – Tapit, Medaglia D'Oro, Speightstown, and Candy Ride – still rank among

the top 25 NA/EU sires; what a group that was. Galileo, Adlerflug, Laoban, Shamardal, and Pivotal have all died, but will continue to be rated until they no longer have 10+ 3yo's racing.

Of vital importance to breeders, consignors, and buyers, of course, is who are the best younger sires? Each of the three sire crops with first foals 2016 (F2016) – 2018 (F2018) have five or six representatives among the 47 sires with 2.00+ A Runner Indexes, plus two F2019 sires (Gun Runner and #38 **Practical Joke**, 2.11) with 195+ year-starters. So 19 of the 47 come from the four youngest-rated sire crops F2016-F2019:

F2016: #18 Kingman (2.81, ENG), #29 Central Banker (2.42; the top sire in NY, by Speightstown); #32 Australia (2.41, IRE); #39 Souper Speedy (2.10; Ontario, by Uncle Mo's sire Indian Charlie); #40 No Nay Never (2.08, IRE); #41 Sea The Moon (2.03, ENG)

F2017: #8 Constitution (3.54, KY); #23 Night Of Thunder (2.69, IRE); #31 American Pharoah (2.16, KY); #44 Karakontie (2.06, KY); #45 Competitive Edge (2.04, TX)

F2018: #9 New Bay (3.46, IRE); #14 Not This Time (3.09, KY); #16 Laoban (2.91, NY, died); #28 Kodi Bear (2.44, IRE), #36 Nyquist (2.17, KY); #43 Mehmas (2.06, IRE)

F2019: #4 **Gun Runner** (4.59, KY); #38 **Practical Joke** (2.11, KY). Other F2019 sires with 100+ year-starters and 2.00+ A Runner indexes: **Zarak** (104 year-starters, 4.33, FR); **Arrogate** (142, 2.82, KY, died); **Time Test** (2.19, ENG).

On the basis of this data we would say that for breeders in North American regional programs, F2016 Central Banker in NY, F2016 Super Speedy in Ontario, and F2017 Competitive Edge in Texas must be standout matings prospects. In the major markets, those with comparatively lower stud fees should appeal to middle-market breeders and buyers: F2016 Australia (€25,000) and Sea The Moon (£25,000), F2018 Kodi Bear (€15,000) and F2019 Time Test (£15,000) in Europe; F2017 Karakontie (\$10,000) and F2019 Practical Joke (\$25,000) in Kentucky. The other ten F2016-F2019 sires on this list all stand for 50,000+.

Thirteen stallions have sired 85+ A Runners (avg 12+/yr) in 2016-22. This metric obviously favors older sires with more crops, and sure enough the F2006 North American 'fearsome foursome' are all among the 13: Tapit (120), Medaglia D'Oro (87), Speightstown (86), and Candy Ride (85). The two

'youngest' sires on this list are two 15yo's: F2014 Frankel (118) and F2013 Uncle Mo (109). Galileo (223, avg almost 32/yr) and Dubawi (185, 26/yr) are way out in front by this metric; Into Mischief (135) is a distant third by number of 2016-22 A Runners. Also among the 13: Curlin (116), War Front (93), Ireland's **Dark Angel** (91) and Sea The Stars (90).



Dubawi, 2.90 ABC Runner Index Photo courtesy Darley

The ABC Runner Index measures stallions' proficiency at siring top 8% earners; Dubawi (2.90) surpasses Galileo (2.71) in this category, with Frankel (2.61) again third. Since in this metric 1.00=8.00%, Dubawi's ABC Index of 2.90 translates to 23.20% ABC Runners/Runners. Galileo's 2.71 = 21.68%, Frankel's 2.61 = 20.88%. Gun Runner (2.55 = 20.40%) is again fourth, and first in North America. These are the only four with 20%+ ABC Runners/Runners. Because the base figure for indexing is higher for ABC Runners (8.00%) than for A Runners (2.00%) the scale for ABC indexes is more compressed. A total of 16 of the 363 sires have 2.00+ ABC indexes (16.00% ABC Runners/Runners), including two other European sons of the burgeoning sire of sires Dubawi, Night Of Thunder (2.11) and New Bay (2.06). Besides Gun Runner, other NA sires with 195+ year-starters and 2.00+ ABC indexes are: War Front (2.34), Not This Time (2.31), Curlin (2.29), Into Mischief (2.23), Tapit (2.19), Practical Joke (2.16), Constitution (2.09), Speightstown (2.02), Uncle Mo (2.00), and Canadian Souper Speedy (2.00).

Four-time NA Champion Sire Into Mischief – the one who averages 347 starters/yr – is a distant third behind Galileo and Dubawi by number of A Runners but no doubt owes his sires championships to the fact that he surpasses the two European superstar sires with 433 ABC Runners, almost 62/yr; Galileo has 393 ABC

Runners, Dubawi 384. They're a long way clear of Tapit (325) and Curlin (298) in fourth and fifth place. Uncle Mo (278), Dark Angel (261), Frankel (260), and Speightstown (253) also have 250+ ABC Runners 2016-2022.

NEW BAY, NOT THIS TIME TOP F2018 SIRES; GUN RUNNER, PRACTICAL JOKE TOP F2019'S

A key method we have always employed in stallion analysis is to divide sires by their age of oldest foals; this enables us to look at a smaller, isolated group of sires who have all, in some ways, had equal opportunities. There are 82 F2018 NA-EU sires assigned APEX ratings who went to stud in 2017 and had their first foals in 2018, and 76 F2019 NA-EU sires who went to stud in 2018 and had their first foals in 2019. F2018 sires had their first 4yo's in 2022, and now have their first 5yo's; F2019 sires had 3yo's of 2022 and now have 4yo's. For these tables we remove the 195+ year-starters stipulation, so all F2018 and F2019 sires who qualify for APEX ratings are included in these tables.



New Bay, 3.46 A Runner Index. Photo courtesy Ballylinch Stud

Among F2018 sires Ireland's Ballylinch Stud's New Bay and Kentucky's Taylor Made Stud's Not This Time are the standouts, though as mentioned above six NA-EU F2018 sires with 195+ yearstarters made the overall Top 50 by A Runner Index. New Bay (3.46) and Not This Time (3.09) are among just 15 sires with 3.00+ A Runner indexes, while Laoban (2.91), Kodi Bear (2.44), Nyquist (2.17), and Mehmas (2.06) also scored 2.00+; Pride Of Dubai (1.97), who stood under the Coolmore banner but now remains in Australia was a near miss. Note that three German sires, each with 3 A Runners from <80 year-starters, are included in the Top 15 F2018 sires by A Runner Index: Guiliani (2.38), Isfahan (1.95), and Protectionist (1.90), along with NA regional sires

standing in Indiana, California, New Mexico, and Oklahoma, as well as **Firing Line** (2.27) in Kentucky.

Six F2018 sires had 10+ A Runners (keep in mind one horse can be counted up to three times in the F2018 tables) by the end of 2022. Not This Time (20) edges out Mehmas (19), who led this group with 461 year-starters. New Bay (16), Nyquist (15), Laoban (13), and Kodi Bear (11) also have 10+ A Runners. Not This Time (2.31), New Bay (2.06), and Nyquist (1.95) are the top three by ABC Runner Index. Not This Time (60), Mehmas (59), and Nyquist (54) all have 50+ ABC Runners, well clear of **Frosted** (39) and New Bay (38).



Practical Joke, 41 ABC Runners. Photo courtesy Coolmore

Our sister publication, Stallion Spectator Ratings (SSR), has a section where we count when and how many G1 winners sires have in their first four years of progeny racing. We began with sires with first foals 1998 (F1998), a group which included Unbridled's Song, Smart Strike, and Pivotal. In the 22 sire crops since then, no NA-EU stallion had sired more than four G1 winners by the end of the year their first 3yo's raced (Galileo, Giant's Causeway, and Union Rags each had four, and fellow F2019 Arrogate had four G1 winners last vear): Gun Runner had six. No wonder then that he dominates the metrics for 76 NA-EU F2019 sires with their first 3yo's in 2022 - with the exception that Practical Joke actually had one more ABC Runner, 41 to 40. Very few F2019 sires were eligible for the overall Top 50 lists by having 195+ year-starters but Gun Runner dominates the charts. His 4.59 A Runner Index, good for #4 ranking among 363 APEX sires with 195+ yearstarters, is naturally the best for F2019 sires by A Runner Index, though the Aga Khan's Haras de Bonneval's Zarak, by Dubawi out of unbeaten 'Arc' winner Zarkava, has a 4.33 A Runner Index with 9 A Runners from 104 year-starters, and Arrogate,

with 142 year-starters, had 8 A Runners and a 2.88 A Index.

Gun Runner had 18 A Runners at the end of 2022. Practical Joke was second with 10, Zarak had 9, and Arrogate and Churchill 8 each. Gun Runner had a 2.55 ABC Runner Index (20.40% of yearstarters), with the German sire Counterattack (2.42), an Australian G3 winner by Redoute's Choice with small numbers, the aforementioned Practical Joke (2.16), Zarak (2,04), and Arrogate (2.02) also at 2.00+, along with the Maryland sire Blofeld, a two-time NY G2 2yo winner from Quality Road's first crop; from 45 year-starters he had no A Runners but 8 B and C Runners for a 2.22 ABC Index. And, as mentioned, Practical Joke edged Gun Runner by number of ABC Runners, 41 to 40; Arrogate (23), Churchill (22), Connect (21), Classic Empire (19), and Zarak (17) came next. The market perception is that Practical Joke hasn't maybe done as well as had been hoped – his stud fee dropped from \$35,000 to \$25,000 for this year – but these metrics suggest that, whatever the expectations, he is doing quite well enough, as attested by his 2.11 A Index and 2.16 ABC Index. Looking at all the metrics we would say Gun Runner, Practical Joke, Arrogate, Zarak, and Churchill all look like Top 50-type sires from this sire crop.

APEX EARNINGS THREHOLDS 2016-2022 (US\$)

| Α | RUNNERS | | top 2% | |
|---------|--|--|---|--|
| NA | GB/IR | FR | GER | JPN |
| 177,784 | 96,445 | 79,919 | 53,914 | 268,312 |
| 156,910 | 87,130 | 92,235 | 55,529 | 314,832 |
| 120,400 | 55,302 | 60,560 | 44,583 | 330,044 |
| 149,900 | 87,987 | 82,184 | 49,470 | 308,480 |
| 137,824 | 97,129 | 81,955 | 62,469 | 313,365 |
| 135,185 | 84,416 | 79,693 | 58,610 | 315,974 |
| 133,000 | 88,103 | 75,614 | 61,743 | 330,784 |
| В | RUNNERS | | next 2% | |
| NA | GB/IR | FR | GER | JPN |
| 125,670 | 56,899 | 56,736 | 31,895 | 184,043 |
| 111,631 | 51,377 | 63,361 | 31,079 | 207,301 |
| 85,279 | 32,354 | 45,238 | 24,543 | 210,848 |
| 103,776 | 50,811 | 58,728 | 34,796 | 206,263 |
| 98,390 | 56,941 | 59,888 | 35,989 | 207,851 |
| 94,440 | 50,450 | 57,002 | 34,484 | 205,964 |
| 93,200 | 49,596 | 55,601 | 36,477 | 205,862 |
| С | RUNNERS | | next 4% | |
| NA | GB/IR | FR | GER | JPN |
| 85,570 | 32,333 | 39,845 | 17,943 | 106,866 |
| 76,112 | 28,913 | 43,908 | 16,722 | 121,958 |
| 58,132 | 19,355 | 34,087 | 13,737 | 121,031 |
| 71,720 | 28,698 | 42,171 | 18,440 | 120,808 |
| 67,474 | 32,129 | 42,506 | 20,006 | 119,688 |
| 64,025 | 27,672 | 40,786 | 21,001 | 122,094 |
| 63,590 | 27,259 | 40,185 | 18,726 | 122,275 |
| | NA 177,784 156,910 120,400 149,900 137,824 135,185 133,000 B NA 125,670 111,631 85,279 103,776 98,390 94,440 93,200 C NA 85,570 76,112 58,132 71,720 67,474 64,025 | NA GB/IR 177,784 96,445 156,910 87,130 120,400 55,302 149,900 87,987 137,824 97,129 135,185 84,416 133,000 88,103 B RUNNERS NA GB/IR 125,670 56,899 111,631 51,377 85,279 32,354 103,776 50,811 98,390 56,941 94,440 50,450 93,200 49,596 C RUNNERS NA GB/IR 85,570 32,333 76,112 28,913 58,132 19,355 71,720 28,698 67,474 32,129 64,025 27,672 | NA GB/IR FR 177,784 96,445 79,919 156,910 87,130 92,235 120,400 55,302 60,560 149,900 87,987 82,184 137,824 97,129 81,955 135,185 84,416 79,693 133,000 88,103 75,614 B RUNNERS NA GB/IR FR 125,670 56,899 56,736 111,631 51,377 63,361 85,279 32,354 45,238 103,776 50,811 58,728 98,390 56,941 59,888 94,440 50,450 57,002 93,200 49,596 55,601 C RUNNERS NA GB/IR FR 85,570 32,333 39,845 76,112 28,913 43,908 58,132 19,355 34,087 71,720 28,698 42,171 67, | NA GB/IR FR GER 177,784 96,445 79,919 53,914 156,910 87,130 92,235 55,529 120,400 55,302 60,560 44,583 149,900 87,987 82,184 49,470 137,824 97,129 81,955 62,469 135,185 84,416 79,693 58,610 133,000 88,103 75,614 61,743 B RUNNERS next 2% NA GB/IR FR GER 125,670 56,899 56,736 31,895 111,631 51,377 63,361 31,079 85,279 32,354 45,238 24,543 103,776 50,811 58,728 34,796 98,390 56,941 59,888 35,989 94,440 50,450 57,002 34,484 93,200 49,596 55,601 36,477 C RUNNERS next 4% NA G |

TABLE 1. TOP 50 NA/EU SIRES BY A RUNNER INDEX

| | | | 1 st | | | # | Α | # | ABC |
|-------------------|------|--------------------------|-----------------|------|---------|-----|------|-------|------|
| SIRE | YR | HIS SIRE | Foals | ST | Runners | A's | | ABC's | |
| GALILEO | 1998 | SADLER'S WELLS | 2003 | DEAD | 1810 | 223 | 6.16 | 393 | 2.71 |
| DUBAWI | | DUBAI MILLENNIUM | 2007 | ENG | 1658 | 182 | 5.49 | 384 | 2.90 |
| FRANKEL | 2008 | GALILEO | 2014 | ENG | 1245 | 118 | 4.74 | 260 | 2.61 |
| GUN RUNNER | | CANDY RIDE | 2019 | KY | 196 | 18 | 4.59 | 40 | 2.55 |
| WAR FRONT | | DANZIG | 2008 | KY | 1243 | 93 | 3.74 | 233 | 2.34 |
| ADLERFLUG | | IN THE WINGS | 2011 | DEAD | 415 | 31 | 3.73 | 55 | 1.66 |
| CURLIN | | SMART STRIKE | 2010 | KY | 1628 | 116 | 3.56 | 298 | 2.29 |
| CONSTITUTION | | TAPIT | 2017 | KY | 579 | 41 | 3.54 | 97 | 2.09 |
| NEW BAY | | DUBAWI | 2017 | IRE | 231 | 16 | 3.46 | 38 | 2.06 |
| SEA THE STARS | | CAPE CROSS | 2013 | IRE | 1312 | 90 | 3.43 | 208 | 1.98 |
| TAPIT | | PULPIT | 2006 | KY | 1856 | 120 | 3.23 | 325 | 2.19 |
| MEDAGLIA D'ORO | | EL PRADO | 2006 | KY | 1348 | 87 | 3.23 | 203 | 1.88 |
| | | | | | | | | | |
| UNCLE MO | | INDIAN CHARLIE | 2013 | KY | 1741 | 109 | 3.13 | 278 | 2.00 |
| NOT THIS TIME | | GIANT'S CAUSEWAY | 2018 | KY | 324 | 20 | 3.09 | 60 | 2.31 |
| FARHH | | PIVOTAL | 2015 | ENG | 248 | 15 | 3.02 | 35 | 1.76 |
| LAOBAN | | UNCLE MO | 2018 | DEAD | 223 | 13 | 2.91 | 31 | 1.74 |
| SHAMARDAL | | GIANT'S CAUSEWAY | 2007 | DEAD | 1226 | 70 | 2.85 | 192 | 1.96 |
| KINGMAN | | INVINCIBLE SPIRIT | 2016 | ENG | 909 | 51 | 2.81 | 132 | 1.82 |
| INTO MISCHIEF | | HARLAN'S HOLIDAY | 2010 | KY | 2430 | 135 | 2.78 | 433 | 2.23 |
| SPEIGHTSTOWN | | GONE WEST | 2006 | KY | 1568 | 86 | 2.74 | 253 | 2.02 |
| PIVOTAL | 1993 | POLAR FALCON | 1998 | DEAD | 879 | 48 | 2.73 | 133 | 1.89 |
| WOOTTON BASSETT | 2008 | IFFRAAJ | 2013 | IRE | 715 | 39 | 2.73 | 88 | 1.54 |
| NIGHT OF THUNDER | 2011 | DUBAWI | 2017 | IRE | 409 | 22 | 2.69 | 69 | 2.11 |
| TEOFILO | 2004 | GALILEO | 2009 | IRE | 1145 | 61 | 2.66 | 158 | 1.72 |
| CANDY RIDE | 1999 | RIDE THE RAILS | 2006 | KY | 1634 | 85 | 2.60 | 242 | 1.85 |
| GHOSTZAPPER | 2000 | AWESOME AGAIN | 2007 | KY | 1466 | 73 | 2.49 | 227 | 1.94 |
| ENGLISH CHANNEL | 2002 | SMART STRIKE | 2009 | DEAD | 1338 | 66 | 2.47 | 180 | 1.68 |
| KODI BEAR | 2012 | KODIAC | 2018 | IRE | 225 | 11 | 2.44 | 21 | 1.17 |
| CENTRAL BANKER | 2010 | SPEIGHTSTOWN | 2016 | NY | 454 | 22 | 2.42 | 61 | 1.68 |
| AUSTRALIA | 2011 | GALILEO | 2016 | IRE | 705 | 34 | 2.41 | 80 | 1.42 |
| CAMELOT | 2009 | MONTJEU | 2015 | IRE | 1060 | 51 | 2.41 | 119 | 1.40 |
| LOPE DE VEGA | 2007 | SHAMARDAL | 2012 | IRE | 1698 | 79 | 2.33 | 237 | 1.74 |
| MUNNINGS | 2006 | SPEIGHTSTOWN | 2012 | KY | 1523 | 71 | 2.33 | 205 | 1.68 |
| FASTNET ROCK | 2001 | DANEHILL | 2011 | AUS | 915 | 41 | 2.24 | 115 | 1.57 |
| QUALITY ROAD | 2006 | ELUSIVE QUALITY | 2012 | KY | 1503 | 67 | 2.23 | 216 | 1.80 |
| NYQUIST | | UNCLE MO | 2018 | KY | 346 | 15 | 2.17 | 54 | 1.95 |
| AMERICAN PHAROAH | | PIONEEROF THE NILE | 2017 | KY | 764 | 33 | 2.16 | 105 | 1.72 |
| PRACTICAL JOKE | | INTO MISCHIEF | 2019 | KY | 237 | 10 | 2.11 | 41 | 2.16 |
| SOUPER SPEEDY | | INDIAN CHARLIE | 2016 | ON | 262 | 11 | 2.10 | 42 | 2.00 |
| NO NAY NEVER | | SCAT DADDY | 2016 | IRE | 768 | 32 | 2.08 | 85 | 1.38 |
| INTELLO | | GALILEO | 2015 | FR | 677 | 28 | 2.07 | 75 | 1.38 |
| SIYOUNI | | PIVOTAL | 2013 | FR | 1601 | 66 | 2.06 | 207 | 1.62 |
| MEHMAS | | ACCLAMATION | 2012 | IRE | 461 | 19 | 2.06 | 59 | 1.60 |
| | | | | | | | | | |
| KARAKONTIE | | BERNSTEIN SUDER SAVER | 2017 | KY | 243 | 10 | 2.06 | 27 | 1.39 |
| COMPETITIVE EDGE | | SUPER SAVER | | TX | 318 | 13 | 2.04 | 36 | 1.42 |
| SEA THE MOON | | SEA THE STARS | 2016 | ENG | 517 | 21 | 2.03 | 53 | 1.28 |
| SOLDIER HOLLOW | | IN THE WINGS | 2009 | GER | 875 | 35 | 2.00 | 113 | 1.61 |
| AREION | | BIG SHUFFLE | 2002 | DEAD | 679 | 27 | 1.99 | 96 | 1.77 |
| INVINCIBLE SPIRIT | | GREEN DESERT | 2004 | IRE | 1643 | 65 | 1.98 | 189 | 1.44 |
| GRAZEN | | BENCHMARK | 2011 | CA | 432 | 17 | 1.97 | 59 | 1.71 |
| DARK ANGEL | 2005 | ACCLAMATION | 2009 | IRE | 2307 | 91 | 1.97 | 261 | 1.41 |

TABLE 2. TOP 50 NA/EU SIRES BY ABC RUNNER INDEX

| SIRE VR HIS SIRE Foats ST Runners Als Index ABC DUBAWI 2002 DUBAI MILLENNIUM 2007 ENG 1658 182 5.49 384 2.90 GALILEO 1988 SADLER'S WELLS 2003 DEAD 1810 223 6.16 393 2.74 202 PARTERONT 2002 DANZIG 2008 KY 1243 93 3.74 233 2.34 WAR FRONT 2002 DANZIG 2008 KY 1243 93 3.74 233 2.33 2.34 NOT THIS TIME 2014 GIANTS CAUSEWAY 2018 KY 324 20 3.09 60 2.31 CURLINI 2004 SAMAT STRIKE 2010 KY 2340 135 2.78 433 2.22 RACTICAL LOR 2011 HITO MISCHIEF 2019 KY 237 10 2.11 41 2.01 PRACTICAL LOKE 2011 | | | O DI ADC HONNEH INDI | 1st | | | # | Α | # | ABC |
|--|--------------------|------|----------------------|------|---------|---------|-----|------|-----|------|
| DUBANI 2002 DUBAMILLENNUM 2007 ENG 1658 182 5.49 384 2.90 | SIRE | YR | HIS SIRE | _ | ST | Runners | | | | |
| GALILEO 1998 SADLER'S WELLS 2003 DEAD 1810 223 6.16 393 2.71 FRANKEL 2008 GALILEO 2014 ENG 1245 118 4.74 260 2.61 GUN RUNNER 2013 CANDY RIDE 2019 KY 1961 18 4.75 4.50 2.61 GUN RUNNER 2013 CANDY RIDE 2019 KY 1961 18 4.75 4.50 2.61 GUN RUNNER 2010 CANDY RIDE 2019 KY 1243 93 3.74 233 2.34 NOT THIS TIME 2014 GIANT'S CAUSEWAY 2018 KY 1243 93 3.74 233 2.34 NOT THIS TIME 2014 GIANT'S CAUSEWAY 2018 KY 1628 116 3.56 298 2.31 CURLIN 2004 SMART STRIKE 2010 KY 1628 116 3.56 298 2.31 INTO MISCHIEF 2005 HARLAN'S HOLIDAY 2010 KY 1628 116 3.56 298 2.21 INTO MISCHIEF 2005 HARLAN'S HOLIDAY 2010 KY 1628 116 3.56 298 2.23 INTO MISCHIEF 2001 PULPIT 2006 KY 1856 120 3.23 325 2.19 INTO MISCHIEF 2011 DUBAWI 2017 IRE 409 22 2.09 69 2.11 CONSTITUTION 2011 TAPIT 2017 KY 579 41 3.54 97 2.01 NIGHT OF THUNDER 2011 DUBAWI 2017 IRE 409 22 2.09 69 2.11 CONSTITUTION 2011 TAPIT 2017 KY 579 41 3.54 97 2.00 NEW BAY 2012 DUBAWI 2018 IRE 231 16 3.46 38 2.06 SPEIGHTSTOWN 1998 GONE WEST 2006 KY 1558 86 2.74 253 2.00 UNCLE MO 2008 INDIAN CHARLIE 2013 KY 1741 109 3.13 278 2.00 SUPER SPEEDY 2009 INDIAN CHARLIE 2016 ON 262 11 2.10 42 2.00 SUEA THE STARS 2006 CAPE CROSS 2011 IRE 1312 90 3.43 208 1.98 WEIGELIA 2001 SAFELY'S MARK 2010 PA 330 12 1.82 52 1.96 SHAMARDAL 2002 GIANT'S CAUSEWAY 2007 DEAD 1226 70 2.85 192 1.96 MYOUIST 2013 UNCLE MO 2018 KY 1546 73 2.49 227 1.94 MYOUIST 2013 UNCLE MO 2018 KY 1546 73 2.49 227 1.94 MYOUIST 2013 UNCLE MO 2018 KY 1546 73 2.49 227 1.94 MYOUIST 2013 UNCLE MO 2018 KY 1546 73 2.49 227 1.94 MYOUIST 2013 UNCLE MO 2018 KY 1546 73 2.49 227 1.94 MYOUIST 2013 UNCLE MO 2018 KY 1546 75 2.31 1.61 GABANDA 2010 FIRE THE RAILS 2006 KY 1546 73 2.49 227 1.94 MYOUIST 2013 UNCLE MO 2018 KY 1546 75 2.31 2.16 1.76 HOLOSTEAPPER 2000 AWESOME AGAIN 2007 KY 1466 73 2.49 2.27 1.94 MYOUIST 2013 UNCLE MO 2018 KY 1548 87 2.32 2.03 1.76 HOLOSTEAPPER 2000 AWESOME AGAIN 2007 KY 1546 73 2.49 2.77 1.94 MEDAGLIA D'ORO 1999 FIDE THE RAILS 2006 KY 1549 1.95 MYOUND 1999 FIDE THE RAILS 2006 KY 1549 1.95 MYOUND 2007 POWN AND 2007 KY 1540 43 2.77 1.99 9.6 1.77 | DUBAWI | 2002 | DUBAI MILLENNIUM | | ENG | 1658 | | | | |
| GUN RUNNER 2013 CANDY RIDE 2019 KY 196 18 4.59 40 2.55 WAR FRONT 2002 DANZIG 2008 KY 1243 93 3.74 233 2.34 NOT THISTIME 2014 GIANT'S CAUSEWAY 2018 KY 1243 93 3.74 233 2.34 CURLIN 2004 SMART STRIKE 2010 KY 1628 116 3.56 298 2.29 INTO MISCHIEF 2005 HARLAN'S HOLIDAY 2010 KY 2430 135 2.78 433 2.23 TAPIT 2001 PULPIT 2006 KY 1856 120 3.23 325 2.29 INTO MISCHIEF 2010 LUPIT 2001 KY 2430 135 2.78 433 2.23 TAPIT 2011 PULPIT 2006 KY 1856 120 3.23 325 2.29 ROMINGHTO F THUNDER 2011 DUBAWI 2017 IRE 409 22 2.69 69 2.11 SPEICHTSTOWN 1998 GONE WEST 2018 KY 1568 86 2.74 253 2008 SPEICHTSTOWN 1998 GONE WEST 2018 KY 1568 86 2.74 253 2009 INDIAN CHARLIE 2010 SOUPER SPEEDY 2009 INDIAN CHARLIE 2011 IRE 1312 90 3.43 208 SPEICHTSTOWN 2008 INDIAN CHARLIE 2016 ON 262 11 2.10 42 2.00 SOUPER SPEEDY 2009 INDIAN CHARLIE 2016 ON 262 11 2.10 42 2.00 SOUPER SPEEDY 2009 INDIAN CHARLIE 2016 ON 262 11 2.10 42 2.00 SOUPER SPEEDY 2009 INDIAN CHARLIE 2016 ON 262 11 2.10 42 2.00 SOUPER SPEEDY 2018 WEST 2018 KY 346 15 2.17 54 1.95 SHAMARDAL 2012 GIANT'S CAUSEWAY 2017 DEAD SHAMARDAL 2013 UNCLE MO 2018 KY 346 15 2.17 54 1.95 SHAMARDAL 2013 UNCLE MO 2018 KY 346 15 2.17 54 1.95 HOWNOUIST 2013 UNCLE MO 2018 KY 346 15 2.17 54 1.95 HOWNOUIST 2013 UNCLE MO 2018 KY 346 15 2.17 54 1.95 HOWNOUIST 2013 UNCLE MO 2018 KY 346 15 2.77 2.85 192 INDIAN CHARLIE 2019 ELPRADO 2018 KY 346 15 2.77 3.33 18.89 MEDAGLIA DORO 1999 ELPRADO 2018 KY 346 15 2.77 3.33 18.89 MEDAGLIA DORO 1999 ELPRADO 2018 KY 346 15 2.77 3.33 18.89 MEDAGLIA DORO 1999 ELPRADO 2018 KY 346 15 2.77 3.33 18.89 MEDAGLIA DORO 1999 ELPRADO 2018 KY 346 15 2.77 3.33 18.89 MEDAGLIA DORO 1999 ELPRADO 2018 KY 346 15 2.77 3.31 3.89 INCLE MO 2019 ELPRADO | GALILEO | 1998 | SADLER'S WELLS | 2003 | DEAD | 1810 | 223 | 6.16 | 393 | 2.71 |
| WAR FRONT 2002 DANZIG 2008 KY 1243 93 3.74 233 2.34 NOT THIS TIME 2014 GIANT'S CAUSEWAY 2018 KY 324 20 3.09 60 2.31 CURLIN 2004 SMART STRIKE 2010 KY 1628 116 3.56 298 2.29 INTO MISCHIEF 2005 HARLAN'S HOLIDAY 2010 KY 430 135 2.78 433 2.23 TAPIT 2001 PULPIT 2006 KY 1856 120 3.23 325 2.19 PACALLOLAKE 2014 INTO MISCHIEF 2019 KY 237 10 2.11 41 2.16 NIGHT OF THUNDER 2011 DUBAWI 2017 IRE 409 22 2.69 69 2.11 CONSTITUTION 2011 TAPIT 2017 KY 579 41 3.54 97 2.09 EW BAY 2012 DUBAWI 2018 IRE 231 16 3.46 38 2.06 SPEIGHTSTOWN 1998 GONE WEST 2006 KY 1568 86 2.74 253 2.02 UNCLE MO 2008 INDIAN CHARLIE 2016 KY 1568 86 2.74 253 2.02 UNCLE MO 2008 INDIAN CHARLIE 2016 ON 261 11 2.09 3.13 278 2.00 SCUPER SPEEDY 2009 INDIAN CHARLIE 2016 ON 262 11 2.10 42 2.00 SEA THE STARS 2006 CAPE CROSS 2011 IRE 1312 90 3.43 208 1.98 WEIGELIA 2001 SAFELY'S MARK 2010 PA 330 12 1.82 52 1.97 SHAMARDAL 2002 GIANT'S CAUSEWAY 2017 DEAD 1226 70 2.85 192 1.95 SHAMARDAL 2002 GIANT'S CAUSEWAY 2017 DEAD 1226 70 2.85 192 1.96 SHAMARDAL 2002 GIANT'S CAUSEWAY 2007 DEAD 1226 70 2.85 192 1.96 SHOSTAPPER 2000 AWESOME AGAIN 2017 KY 1466 73 2.49 227 1.94 PIVOTAL 1993 PLA FRAILE 2016 KY 1466 73 2.49 227 1.94 PIVOTAL 1993 PLA FRAILE 2016 KY 1634 85 2.60 242 1.85 KINGMAN 2011 INVIKIBLE SPIRIT 2016 ENG 909 51 2.81 132 1.82 CAUSEWAY 2007 DEAD 1226 70 2.85 192 1.96 CAUSEWAY 2007 DEAD 1226 70 2.85 192 1.97 SPI 1.97 | FRANKEL | 2008 | GALILEO | 2014 | ENG | 1245 | 118 | 4.74 | 260 | 2.61 |
| NOTTHISTIME 2014 GIANT'S CAUSEWAY 2018 KY 324 20 3.09 60 2.31 CURLIN 2004 SMART STRIKE 2010 KY 1628 116 3.56 298 2.29 1870 MINTO MISCHIEF 2005 HARLAN'S HOLIDAY 2010 KY 2430 135 2.78 433 2.23 325 7.89 7.70 1870 MISCHIEF 2019 KY 2430 135 2.78 433 2.23 325 7.89 7.70 1870 MISCHIEF 2014 INTO MISCHIEF 2019 KY 2430 135 2.78 433 2.23 7.89 7.70 19 2.11 41 2.16 7.70 19 7.70 | GUN RUNNER | 2013 | CANDY RIDE | 2019 | KY | 196 | 18 | 4.59 | 40 | 2.55 |
| CURLIN 2004 SMART STRIKE 2010 KY 1628 116 3.56 298 2.29 INTO MISCHIEF 2005 HARLAN'S HOLIDAY 2010 KY 2430 135 2.78 433 2.23 1XPIT 2001 PULPIT 2006 KY 1856 120 3.23 252 2.19 PRACTICAL JOKE 2014 INTO MISCHIEF 2019 KY 237 10 2.11 41 2.16 NIGHT OF THUNDER 2011 DUBAWI 2017 IRE 409 22 2.69 69 2.11 CONSTITUTION 2011 TAPIT 2017 KY 579 41 3.54 97 2.09 NEW BAY 2012 DUBAWI 2018 IRE 231 16 3.46 38 2.06 SPEIGHTSTOWN 1998 GONE WEST 2006 KY 1568 86 2.74 253 2.09 UNCLE MO 2008 INDIAN CHARLIE 2013 KY 1741 109 3.13 278 2.00 SOUPER SPEEDY 2009 INDIAN CHARLIE 2013 KY 1741 109 3.13 278 2.00 SOUPER SPEEDY 2009 INDIAN CHARLIE 2016 ON 262 111 2.10 42 2.00 SEA THE STARS 2006 CAPE CROSS 2011 IRE 1312 90 3.43 208 1.98 WEIGELIA 2001 SAFELYS MARK 2010 PA 330 12 1.82 52 1.97 MISCHIAN 2001 SAFELYS MARK 2010 PA 330 12 1.82 52 1.97 MISCHIAN 2002 GIANT'S CAUSEWAY 2007 DEAD 1226 70 2.85 1912 1.96 HOYOTAL 1993 POLAR FALORON 2018 KY 346 15 2.17 54 1.95 GHOSTAPPER 2000 AWESOME AGAIN 2018 KY 346 15 2.17 54 1.95 GHOSTAPPER 2000 AWESOME AGAIN 2018 KY 346 15 2.17 54 1.95 GHOSTAPPER 2000 AWESOME AGAIN 2018 KY 346 87 3.23 203 1.88 CANDY RIDE 1999 RIDE THE RAILS 2006 KY 1348 87 3.23 203 1.88 CANDY RIDE 1999 RIDE THE RAILS 2006 KY 1348 87 3.23 203 1.88 CANDY RIDE 1999 RIDE THE RAILS 2006 KY 1348 87 2.31 3.18 1.99 MEDAGLIA D'ORO 1999 EL PRADO 2006 KY 1348 87 2.21 1.81 1.82 QUALITY ROAD 2005 ELUSIVE QUALITY 2012 KY 1503 67 2.23 101 1.80 AREION 1995 BIG SHUFFLE 2002 DEAD 679 27 1.99 96 1.77 FARHH 2008 PIVOTAL 2018 DEAD 223 13 2.91 31 1.74 LOGBAN 2013 UNCLE MO 2018 DEAD 223 13 2.91 31 1.74 LOGBAN 2013 UNCLE MO 2018 DEAD 223 13 2.91 31 1.74 LOGBAN 2013 UNCLE MO 2018 DEAD 223 13 2.91 31 1.74 LOGBAN 2013 UNCLE MO 2018 DEAD 223 13 2.91 31 1.74 LOGBAN 2013 UNCLE MO 2018 DEAD 223 13 2.91 31 1.74 LOGBAN 2013 UNCLE MO 2018 DEAD 223 13 2.91 31 1.74 LOGBAN 2013 UNCLE MO 2018 DEAD 23 13 2.91 31 1.74 LOGBAN 2013 UNCLE MO 2018 DEAD 223 13 2.91 31 1.74 LOGBAN 2013 UNCLE MO 2018 DEAD 415 31 3.73 55 1.66 ABLEATH ADMINIST 2005 SMART STRIKE 2017 KY 764 33 2.91 31 1.74 LOGBAN 201 | WAR FRONT | 2002 | DANZIG | 2008 | KY | 1243 | 93 | 3.74 | 233 | 2.34 |
| INTO MISCHIEF 2005 HARLAN'S HOLIDAY 2010 KY 2430 135 2.78 433 2.23 2.21 2.11 2.01 2.011 2.014 2.16 2.014 2.16 2.11 2.10 2.11 2.11 2.10 2.11 2.11 2.10 2.11 2.11 2.10 2.11 2 | NOT THIS TIME | 2014 | GIANT'S CAUSEWAY | 2018 | KY | 324 | 20 | 3.09 | 60 | 2.31 |
| TAPIT 2001 PULPIT 2006 KY 1856 120 3.23 325 2.19 | CURLIN | 2004 | SMART STRIKE | 2010 | KY | 1628 | 116 | 3.56 | 298 | 2.29 |
| PRACTICAL JOKE 2014 INTO MISCHIEF 2019 KY 237 10 2.11 41 2.16 NIGHT OF THUNDER 2011 DUBAWI 2017 IRE 409 22 2.69 69 2.11 CONSTITUTION 2011 TAPIT 2017 KY 579 41 3.54 97 2.09 NEW BAY 2012 DUBAWI 2018 IRE 231 16 3.46 38 2.06 SPEIGHTSTOWN 1998 GONE WEST 2006 KY 1568 86 2.74 253 2.02 UNCLE MO 2008 INDIAN CHARLIE 2013 KY 1741 109 3.13 278 2.00 SUPER SPEEDY 2009 INDIAN CHARLIE 2013 KY 1741 109 3.13 278 2.00 SEA THE STARS 2006 CAPE CROSS 2011 IRE 1312 90 3.43 208 1.98 WEIGELIA 2001 SAFELY'S MARK 2010 PA 330 12 1.82 52 1.97 SHAMARDAL 2002 GIANT'S CAUSEWAY 2007 DEAD 1226 70 2.85 192 1.96 NYQUIST 2013 UNCLE MO 2018 KY 346 15 2.17 54 1.95 GHOSTZAPPER 2000 AWESOME AGAIN 2007 KY 1466 73 2.49 227 1.94 PIVOTAL 1993 POLAR FALCON 1998 DEAD 879 48 2.73 133 1.89 MEIOSALD YOR 1999 EL PRADO 2006 KY 1634 87 3.23 1.89 KINGMAN 2011 INVINCIBLE SPIRIT 2016 ENG 909 51 2.81 132 1.82 CANDY RIDE 1999 RIDE THE RAILS 2006 KY 1634 87 3.23 1.89 KINGMAN 2011 INVINCIBLE SPIRIT 2016 ENG 909 51 2.81 132 1.82 CARLITY ROAD 2006 ELUSIVE QUALITY 2012 KY 1503 67 2.23 16 1.80 AREION 1995 BIG SHUFLE 2002 DEAD 679 27 1.99 96 1.77 FARHH 2008 PIVOTAL 2015 ENG 248 15 3.02 35 1.76 LAOBAN 2013 UNCLE MO 2018 DEAD 223 13 2.91 31 1.74 CHOPE DE VEGA 2007 SHAMARDAL 2012 KY 1503 67 2.23 105 1.80 CANDY RIDE 1990 SIG SHUFLE 2002 DEAD 679 27 1.99 96 1.77 FARHH 2008 BIG SHUFLE 2002 DEAD 679 27 1.99 96 1.77 FARHH 2008 PIVOTAL 2015 ENG 248 15 3.02 35 1.76 LAOBAN 2013 UNCLE MO 2018 DEAD 23 13 2.91 31 1.74 GREAT NOTION 2006 ELUSIVE QUALITY 2012 KY 1503 67 2.23 106 1.80 CANDY RIDE 1995 BIG SHUFLE 2002 DEAD 679 27 1.99 96 1.77 FARHH 2008 PIVOTAL 2015 ENG 248 15 3.02 35 1.76 GRAZEN 2006 BENCHMARK 2011 CA 432 17 1.97 99 1.71 ENGLISH CHANNEL 2005 SPEIGHTSTOWN 2016 KY 1523 71 2.33 10.89 ENGLISH CHANNEL 2005 SPEIGHTSTOWN 2016 KY 1523 71 2.33 10.68 ENGLISH CHANNEL 2006 EMPIRE MAKER 2011 CA 432 17 1.97 99 1.71 ENGLISH CHANNEL 2006 EMPIRE MAKER 2011 CA 432 17 1.97 99 1.71 ENGLISH CHANNEL 2006 EMPIRE MAKER 2011 DEAD 1240 42 1.69 1.61 1.62 SQUARE EDDIE 2006 EMPIRE MAKER 2011 DEAD 1240 42 | INTO MISCHIEF | 2005 | HARLAN'S HOLIDAY | 2010 | KY | 2430 | 135 | 2.78 | 433 | 2.23 |
| NIGHT OF THUNDER 2011 TAPIT 2017 KY 579 41 3.54 97 2.06 NEW BAY 2012 DUBAWI 2018 IRE 231 16 3.46 38 2.06 SPEIGHTSTOWN 1998 GONE WEST 2006 KY 1568 86 2.74 253 2.02 UNCLE MO 2008 INDIAN CHARLIE 2013 KY 1741 109 3.13 278 2.00 SOUPER SPEEDY 2009 INDIAN CHARLIE 2013 KY 1741 109 3.13 278 2.00 SOUPER SPEEDY 2009 INDIAN CHARLIE 2013 KY 1741 109 3.13 278 2.00 SOUPER SPEEDY 2009 INDIAN CHARLIE 2016 ON 262 11 275 282 WEIGELIA 2001 SAFELY'S MARK 2010 PA 330 12 18.2 52 1.97 SHAMARDAL 2002 GIANT'S CAUSEWAY 2007 DEAD 1226 70 2.85 192 1.96 GHOSTZAPPER 2003 AWESOME AGAIN 2007 KY 1466 73 2.49 2.71 194 PIVOTAL 1993 POLAR FALCON 1998 DEAD REDAGLIA D'ORO 1999 EL PRADO 2006 KY 1348 87 2.32 3.33 1.88 CANDY RIDE 1999 RIDE THE RAILS 2006 KY 1548 85 2.60 2.71 1.81 2.81 2.82 2.92 1.85 KINGMAN 2011 INVINCIBLE SPIRIT 2016 ENG 2008 FIVOTAL 2008 PIVOTAL 2018 INVINCIBLE SPIRIT 2016 ENG 2008 FIVOTAL 2008 PIVOTAL 2018 DEAD 2076 KY 1548 85 2.60 277 1,99 5,10 6,10 | TAPIT | 2001 | PULPIT | 2006 | KY | 1856 | 120 | 3.23 | 325 | 2.19 |
| CONSTITUTION 2011 TAPIT 2017 KY 579 MI 41 3.54 97 2.09 NEW BAY 2012 DUBAWI 2018 IRE 231 16 3.46 38 2.06 SPEIGHTSTOWN 1998 GONE WEST 2006 KY 1568 86 2.74 253 2.02 UNCLE MO 2008 INDIAN CHARLIE 2016 ON 262 11 2.10 42 2.00 SEA THE STARS 2006 CAPE CROSS 2011 IRE 1312 90 3.43 208 1.98 WEIGELIA 2001 SAFELY'S MARK 2010 PA 330 12 1.82 52 1.97 SHAMARDAL 2002 GIANT'S CAUSEWAY 2007 DEAD 1226 70 2.35 192 1.96 NYQUIST 2013 UNCLE MO 2018 KY 346 15 2.17 54 1.95 HYOTAL 1993 POLAR FALCON 1998 DEAD 1879 MES 48 2.73 133 1.89 MEDAGLIA D'ORO 1999 EL PRADO 2006 KY 1634 85 | PRACTICAL JOKE | 2014 | INTO MISCHIEF | 2019 | KY | 237 | 10 | 2.11 | 41 | 2.16 |
| NEW BAY 2012 DUBAWI 2018 IRE 231 16 3.46 38 2.06 SPEIGHTSTOWN 1998 GONE WEST 2006 KY 1568 86 2.74 253 2.02 2.02 2.02 2.02 2.02 2.02 2.03 KY 1741 109 3.13 278 2.00 2.00 2.008 INDIAN CHARLIE 2013 KY 1741 109 3.13 278 2.00 2.00 2.00 2.008 INDIAN CHARLIE 2016 ON 262 11 2.10 42 2.00 2.00 2.00 2.008 | NIGHT OF THUNDER | 2011 | DUBAWI | 2017 | IRE | 409 | 22 | 2.69 | 69 | 2.11 |
| SPEIGHTSTOWN | CONSTITUTION | 2011 | TAPIT | 2017 | KY | 579 | 41 | 3.54 | 97 | 2.09 |
| UNCLE MO 2008 INDIAN CHARLIE 2013 KY 1741 109 3.13 278 2.00 SOUPER SPEEDY 2009 INDIAN CHARLIE 2016 ON 262 11 2.10 42 2.00 SEA THE STARS 2006 CAPE CROSS 2011 IRE 1312 90 3.43 208 1.98 WEIGELIA 2011 SAFELY'S MARK 2010 PA 330 12 1.82 52 1.97 SHAMARDAL 2002 GIANT'S CAUSEWAY 2007 DEAD 1226 70 2.85 192 1.96 NYQUIST 2013 UNCLE MO 2018 KY 346 15 2.17 54 1.95 GHOSTZAPPER 2000 AWESOME AGAIN 2007 KY 1466 73 2.49 227 1.94 PIVOTAL 1993 POLAR FALCON 1998 DEAD 879 48 2.73 133 1.89 MEDAGLIA D'ORO 1999 EL PRADO 2006 KY 1348 87 3.23 203 1.88 CANDY RIDE 1999 RIDE THE RAILS 2006 KY 1634 85 2.60 242 1.85 KINGMAN 2011 INVINCIBLE SPIRIT 2016 ENG 909 51 2.81 132 1.82 (UALITY ROAD 2006 ELUSIVE QUALITY 2012 KY 1503 67 2.23 216 1.80 AREION 1995 BIG SHUFFLE 2002 DEAD 679 27 1.99 96 1.77 FARHH 2008 PIVOTAL 2015 ENG 248 15 3.02 35 1.76 LAOBAN 2013 UNCLE MO 2018 DEAD 223 13 2.91 31 1.74 LOPE DE VEGA 2007 SHAMARDAL 2012 IRE 1698 79 2.33 237 1.74 TEOFILO 2004 GALILEO 2004 GALILEO 2009 IRE 1145 61 2.66 158 1.72 AMERICAN PHARDAH 2012 PIONEERO THE NILE 2017 KY 764 33 2.16 105 1.72 GRAZEN 2006 BENCHMARK 2011 CA 432 17 1.97 59 1.71 ENGLISHE SPIRIT 2012 KY 1503 67 2.23 216 1.80 CREAT NOTION 2000 ELUSIVE QUALITY 2012 KY 1503 67 2.33 237 1.74 TEOFILO 2004 GALILEO 2009 IRE 1145 61 2.66 158 1.72 AMERICAN PHARDAH 2012 PIONEEROF THE NILE 2017 KY 764 33 2.16 105 1.72 GRAZEN 2006 BENCHMARK 2011 CA 432 17 1.97 59 1.71 ENGLISH CHANNEL 2002 SMART STRIKE 2017 KY 764 33 2.16 105 1.72 GRAZEN 2006 BENCHMARK 2011 DEAD 415 31 3.73 55 1.66 ENGLISH CHANNEL 2002 SMART STRIKE 2012 KY 1523 71 2.33 205 1.68 ADLERFLUG 2004 IN THE WINGS 2011 DEAD 415 31 3.73 55 1.66 ENGLISH CHANNEL 2006 EMPIRE MAKER 2011 DEAD 415 31 3.73 55 1.66 ENGLISH CHANNEL 2006 EMPIRE MAKER 2011 DEAD 415 31 3.73 55 1.66 ENGLISH CHANNEL 2006 EMPIRE MAKER 2011 DEAD 415 31 3.73 55 1.66 ENGLISH CHANNEL 2006 EMPIRE MAKER 2011 DEAD 415 31 3.73 55 1.66 ENGLISH CHANNEL 2006 EMPIRE MAKER 2011 DEAD 415 31 3.73 55 1.66 ENGLISH CHANNEL 2006 EMPIRE MAKER 2011 DEAD 415 31 3.73 55 1.66 ENGLISH CHANNEL 2006 EMPIRE MAK | NEW BAY | 2012 | DUBAWI | 2018 | IRE | 231 | 16 | 3.46 | 38 | 2.06 |
| SOUPER SPEEDY 2009 INDIAN CHARLIE 2016 ON 262 11 2.10 42 2.00 SEA THE STARS 2006 CAPE CROSS 2011 IRE 1312 90 3.43 208 1.98 WEIGELIA 2001 SAFELY'S MARK 2010 PA 330 12 1.82 52 1.97 SHAMARDAL 2002 GIANT'S CAUSEWAY 2007 DEAD 1226 70 2.85 192 1.96 NYQUIST 2013 UNCLE MO 2018 KY 346 15 2.17 54 1.95 GHOSTZAPPER 2000 AWESOME AGAIN 2007 KY 1466 73 2.49 227 1.94 PIVOTAL 1993 POLAR FALCON 1998 DEAD 879 48 2.73 133 1.89 MEDAGLIA D'ORO 1999 RIDE THE RAILS 2006 KY 1544 85 2.60 242 1.85 KINGMAN 2011 | SPEIGHTSTOWN | 1998 | GONE WEST | 2006 | KY | 1568 | 86 | 2.74 | 253 | 2.02 |
| SEA THE STARS 2006 CAPE CROSS 2011 IRE 1312 90 3.43 208 1.98 WEIGELIA 2001 SAFELY'S MARK 2010 PA 330 12 1.82 52 1.97 SHAMARDAL 2002 GIANT'S CAUSEWAY 2007 DEAD 1226 70 2.85 192 1.96 GHOSTZAPPER 2000 AWESOME AGAIN 2007 KY 1466 73 2.49 227 1.94 PIVOTAL 1993 POLAR FALCON 1998 DEAD 879 48 2.73 133 1.89 MEDAGLIA D'ORO 1999 EL PRADO 2006 KY 1348 87 3.23 203 1.88 CANDY RIDE 1999 RIDE THE RAILS 2006 KY 1348 85 2.60 242 1.85 KINGMAN 2011 INVINCIBLE SPIRIT 2016 ENG 909 51 2.81 132 1.82 QUALILITY ROAD <td< td=""><td>UNCLE MO</td><td>2008</td><td>INDIAN CHARLIE</td><td>2013</td><td>KY</td><td>1741</td><td>109</td><td>3.13</td><td>278</td><td>2.00</td></td<> | UNCLE MO | 2008 | INDIAN CHARLIE | 2013 | KY | 1741 | 109 | 3.13 | 278 | 2.00 |
| WEIGELIA 2001 SAFELY'S MARK 2010 PA 330 12 1.82 52 1.97 | SOUPER SPEEDY | 2009 | INDIAN CHARLIE | 2016 | ON | 262 | 11 | 2.10 | 42 | 2.00 |
| SHAMARDAL 2002 GIANT'S CAUSEWAY 2007 DEAD 1226 70 2.85 192 1.96 | SEA THE STARS | 2006 | CAPE CROSS | 2011 | IRE | 1312 | 90 | 3.43 | 208 | 1.98 |
| NYQUIST 2013 UNCLE MO 2018 KY 346 15 2.17 54 1.95 GHOSTZAPPER 2000 AWESOME AGAIN 2007 KY 1466 73 2.49 227 1.94 PIVOTAL 1993 POLAR FALCON 1998 DEAD 879 48 2.73 133 1.89 MEDAGLIA D'ORO 1999 EL PRADO 2006 KY 1348 87 3.23 203 1.88 CANDY RIDE 1999 RIDE THE RAILS 2006 KY 1634 85 2.60 242 1.85 KINGMAN 2011 INVINCIBLE SPIRIT 2016 ENG 909 51 2.81 132 1.82 QUALITY ROAD 2006 ELUSIVE QUALITY 2012 KY 1503 67 2.23 216 1.80 AREION 1995 BIG SHUFFLE 2002 DEAD 679 27 1.99 96 1.77 FARHH 2008 PIVOTAL 2015 ENG 248 15 3.02 35 1.76 LAOBAN 2013 UNCLE MO 2018 DEAD 223 13 2.91 31 1.74 LOPE DE VEGA 2007 SHAMARDAL 2012 IRE 1698 79 2.33 237 1.74 GREAT NOTION 2000 ELUSIVE QUALITY 2006 MD 647 16 1.24 90 1.74 TEOFILO 2004 GAILEO 2009 IRE 1145 61 2.66 158 1.72 AMERICAN PHAROAH 2012 PIONEEROF THE NILE 2017 KY 764 33 2.16 105 1.72 GRAZEN 2006 BENCHMARK 2011 CA 432 17 1.97 59 1.71 ENGELSH CHANNEL 2002 SMART STRIKE 2009 DEAD 1338 66 2.47 180 1.68 MUNNINGS 2006 SPEIGHTSTOWN 2016 NY 454 22 2.42 61 1.68 MUNNINGS 2006 SPEIGHTSTOWN 2016 NY 454 22 2.42 61 1.68 MUNNINGS 2006 SPEIGHTSTOWN 2016 NY 454 22 2.42 61 1.68 MUNNINGS 2006 SPEIGHTSTOWN 2012 KY 1523 71 2.33 205 1.68 ADLERFLUG 2004 IN THE WINGS 2011 DEAD 415 31 3.73 55 1.66 BLAME 2006 EMPIRE MAKER 2011 DEAD 415 31 3.73 55 1.66 SQUARE EDDIE 2006 SMART STRIKE 2017 KY 764 13 3.73 55 1.66 SQUARE EDDIE 2006 SMART STRIKE 2017 FR 1601 60 2.06 07 1.62 PIONEEROF THE NILE 2016 KY 1523 71 2.33 205 1.68 ADLERFLUG 2004 IN THE WINGS 2011 DEAD 415 31 3.73 55 1.66 SQUARE EDDIE 2006 SMART STRIKE 2011 DEAD 415 31 3.73 55 1.66 SQUARE EDDIE 2006 SMART STRIKE 2011 DEAD 1240 42 1.69 161 1.62 SQUARE EDDIE 2006 SMART STRIKE 2011 DEAD 140 42 1.69 161 1.62 SQUARE EDDIE 2006 SMART STRIKE 2011 RETIRED 601 20 1.66 78 1.62 SQUARE EDDIE 2006 SMART STRIKE 2011 RETIRED 601 20 1.66 78 1.62 SQUARE EDDIE 2006 SMART STRIKE 2011 RETIRED 601 20 1.66 78 1.62 SQUARE EDDIE 2006 SMART STRIKE 2011 RETIRED 601 20 1.66 79 1.61 TWIRLING CANDY 2007 CANDY RIDE 2013 KY 1307 49 1.87 168 1.61 TWIRLING CANDY 2007 CANDY RIDE 2013 KY 1307 49 1.87 168 1.6 | WEIGELIA | 2001 | SAFELY'S MARK | 2010 | PA | 330 | 12 | 1.82 | 52 | 1.97 |
| GHOSTZAPPER 2000 AWESOME AGAIN 2007 KY 1466 73 2.49 227 1.94 PIVOTAL 1993 POLAR FALCON 1998 DEAD 879 48 2.73 133 1.89 MEDAGLIA D'ORO 1999 EL PRADO 2006 KY 1348 87 3.23 203 1.88 CANDY RIDE 1999 RIDE THE RAILS 2006 KY 1634 85 2.60 242 1.85 KINGMAN 2011 INVINCIBLE SPIRIT 2016 ENG 909 51 2.81 132 1.82 QUALITY ROAD 2006 ELUSIVE QUALITY 2012 KY 1503 67 2.23 216 1.82 AREION 1995 BIG SHUFFLE 2002 DEAD 679 27 1.99 96 1.77 FARHH 2008 PIVOTAL 2015 ENG 248 15 3.02 35 1.76 LAOBAN 2013 | SHAMARDAL | 2002 | GIANT'S CAUSEWAY | 2007 | DEAD | 1226 | 70 | 2.85 | 192 | 1.96 |
| PIVOTAL 1993 POLAR FALCON 1998 DEAD 879 48 2.73 133 1.89 | NYQUIST | 2013 | UNCLE MO | 2018 | KY | 346 | 15 | 2.17 | 54 | 1.95 |
| MEDAGLIA D'ORO 1999 EL PRADO 2006 KY 1348 87 3.23 203 1.88 CANDY RIDE 1999 RIDE THE RAILS 2006 KY 1634 85 2.60 242 1.85 KINGMAN 2011 INVINCIBLE SPIRIT 2016 ENG 909 51 2.81 132 1.82 QUALITY ROAD 2006 ELUSIVE QUALITY 2012 KY 1503 67 2.23 216 1.80 AREION 1995 BIG SHUFFLE 2002 DEAD 679 27 1.99 96 1.77 FARHH 2008 PIVOTAL 2015 ENG 248 15 3.02 35 1.76 LAOBAN 2013 UNCLE MO 2018 DEAD 223 13 2.91 31 1.74 LOPE DE VEGA 2007 SHAMARDAL 2012 IRE 169 79 2.33 237 1.74 GERAT NOTION 2006 ELU | GHOSTZAPPER | 2000 | AWESOME AGAIN | 2007 | KY | 1466 | 73 | 2.49 | 227 | 1.94 |
| CANDY RIDE 1999 RIDE THE RAILS 2006 KY 1634 85 2.60 242 1.85 KINGMAN 2011 INVINCIBLE SPIRIT 2016 ENG 909 51 2.81 132 1.82 QUALITY ROAD 2006 ELUSIVE QUALITY 2012 KY 1503 67 2.23 216 1.80 AREION 1995 BIG SHUFFLE 2002 DEAD 679 27 1.99 96 1.77 FARHH 2008 PIVOTAL 2015 ENG 248 15 3.02 35 1.76 LAOBAN 2013 UNCLE MO 2018 DEAD 223 13 2.91 31 1.74 LOPE DE VEGA 2007 SHAMARDAL 2012 IRE 1698 79 2.33 237 1.74 GREAT NOTION 2000 ELUSIVE QUALITY 2006 MD 647 16 1.24 90 1.74 TEOFILO 2004 GALIEO 2009 | PIVOTAL | 1993 | POLAR FALCON | 1998 | DEAD | 879 | 48 | 2.73 | 133 | 1.89 |
| KINGMAN 2011 INVINCIBLE SPIRIT 2016 ENG 909 51 2.81 132 1.82 QUALITY ROAD 2006 ELUSIVE QUALITY 2012 KY 1503 67 2.23 216 1.80 AREION 1995 BIG SHUFFLE 2002 DEAD 679 27 1.99 96 1.77 FARHH 2008 PIVOTAL 2015 ENG 248 15 3.02 35 1.76 LAOBAN 2013 UNCLE MO 2018 DEAD 223 13 2.91 31 1.74 LOPE DE VEGA 2007 SHAMARDAL 2012 IRE 1698 79 2.33 237 1.74 GREAT NOTION 2000 ELUSIVE QUALITY 2006 MD 647 16 1.24 90 1.74 TEOFILO 2004 GALILEO 2009 IRE 1145 61 2.66 158 1.72 AMERICAN PHAROAH 2012 PIONEEROF THE NILE 2017 KY 764 33 2.16 105 1.72 ENGLISH CHANNEL 2002 SMART STRIKE 2009 DEAD 1338 66 2.47 180 1.68 CENTRAL BANKER 2010 SPEIGHTSTOWN 2016 NY 454 22 2.42 61 1.68 MUNNINGS 2006 SPEIGHTSTOWN 2012 KY 1523 71 2.33 205 1.68 ADLERFLUG 2004 IN THE WINGS 2011 DEAD 415 31 3.73 55 1.66 BLAME 2006 EMPIRE MAKER 2011 DEAD 415 31 3.73 55 1.66 BLAME 2006 EMPIRE MAKER 2011 DEAD 415 31 3.73 55 1.66 BLAME 2006 EMPIRE MAKER 2011 DEAD 420 1240 42 1.69 161 1.62 SQUARE EDDIE 2006 EMPIRE MAKER 2011 DEAD 1240 42 1.69 161 1.62 SQUARE EDDIE 2006 EMPIRE MAKER 2011 DEAD 1240 42 1.69 161 1.62 SQUARE EDDIE 2006 SMART STRIKE 2011 RETIRED 601 20 1.66 78 1.62 SQUARE EDDIE 2006 EMPIRE MAKER 2011 DEAD 1240 42 1.69 161 1.62 SQUARE EDDIE 2006 EMPIRE MAKER 2011 DEAD 1240 42 1.69 161 1.62 SQUARE EDDIE 2006 EMPIRE MAKER 2011 RETIRED 601 20 1.66 78 1.62 SQUARE EDDIE 2006 EMPIRE MAKER 2011 RETIRED 601 20 1.66 78 1.62 SQUARE EDDIE 2006 SMART STRIKE 2011 RETIRED 601 20 1.66 78 1.62 SQUARE EDDIE 2006 SMART STRIKE 2011 RETIRED 601 20 1.66 78 1.62 SQUARE EDDIE 2006 SMART STRIKE 2011 RETIRED 601 20 1.66 78 1.62 SQUARE EDDIE 2004 STREET CRY 2009 KY 1650 61 1.85 211 1.60 DISTORTED HUMOR 1993 FORTY NINER 2009 RETIRED 1266 42 1.66 161 1.59 SILENT NAME 2002 SUNDAY SILENCE 2009 ON 714 25 1.75 90 1.58 FASTNET ROCK 2001 DANEHILL 2011 AUS 915 41 2.24 115 1.57 | MEDAGLIA D'ORO | 1999 | EL PRADO | 2006 | KY | 1348 | 87 | 3.23 | 203 | 1.88 |
| QUALITY ROAD 2006 ELUSIVE QUALITY 2012 KY 1503 67 2.23 216 1.80 AREION 1995 BIG SHUFFLE 2002 DEAD 679 27 1.99 96 1.77 FARHH 2008 PIVOTAL 2015 ENG 248 15 3.02 35 1.76 LAOBAN 2013 UNCLE MO 2018 DEAD 223 13 2.91 31 1.74 LOPE DE VEGA 2007 SHAMARDAL 2012 IRE 1698 79 2.33 237 1.74 GREAT NOTION 2000 ELUSIVE QUALITY 2006 MD 647 16 1.24 90 1.74 TEOFILO 2004 GALILEO 2009 IRE 1145 61 2.66 158 1.72 AMERICAN PHAROAH 2012 PIONEEROF THE NILE 2017 KY 764 33 2.16 105 1.72 GRAZEN 2006 BENCH | CANDY RIDE | 1999 | RIDE THE RAILS | 2006 | KY | 1634 | 85 | 2.60 | 242 | 1.85 |
| AREION 1995 BIG SHUFFLE 2002 DEAD 679 27 1.99 96 1.77 FARHH 2008 PIVOTAL 2015 ENG 248 15 3.02 35 1.76 LAOBAN 2013 UNCLE MO 2018 DEAD 223 13 2.91 31 1.74 LOPE DE VEGA 2007 SHAMARDAL 2012 IRE 1698 79 2.33 237 1.74 GREAT NOTION 2000 ELUSIVE QUALITY 2006 MD 647 16 1.24 90 1.74 TEOFILO 2004 GALILEO 2009 IRE 1145 61 2.66 158 1.72 AMERICAN PHAROAH 2012 PIONEEROF THE NILE 2017 KY 764 33 2.16 105 1.72 GRAZEN 2006 BENCHMARK 2011 CA 432 17 1.97 59 1.71 ENGLISH CHANNEL 2002 SMART STRIKE 2009 DEAD 1338 66 2.47 180 1.68 CENTRAL BANKER 2010 SPEIGHTSTOWN 2016 NY 454 22 2.42 61 1.68 MUNNINGS 2006 SPEIGHTSTOWN 2012 KY 1523 71 2.33 205 1.68 ADLERFLUG 2004 IN THE WINGS 2011 DEAD 415 31 3.73 55 1.66 BLAME 2006 ARCH 2012 FR 1601 66 2.06 207 1.62 PIONEEROF THE NILE 2006 EMPIRE MAKER 2011 DEAD 1240 42 1.69 161 1.62 SQUARE EDDIE 2006 SMART STRIKE 2011 RETIRED 601 20 1.66 78 1.62 SQUARE EDDIE 2006 SMART STRIKE 2011 RETIRED 601 20 1.66 78 1.62 SQUARE EDDIE 2006 SMART STRIKE 2011 RETIRED 601 20 1.66 78 1.62 SQUARE EDDIE 2006 SMART STRIKE 2011 RETIRED 601 20 1.66 78 1.62 SQUARE EDDIE 2006 SMART STRIKE 2011 RETIRED 601 20 1.66 78 1.62 SQUARE EDDIE 2006 SMART STRIKE 2011 RETIRED 601 20 1.66 78 1.62 SQUARE EDDIE 2006 SMART STRIKE 2011 RETIRED 601 20 1.66 78 1.62 SQUARE EDDIE 2006 SMART STRIKE 2011 RETIRED 601 20 1.66 78 1.62 SQUARE EDDIE 2006 SMART STRIKE 2011 RETIRED 601 20 1.66 78 1.62 SQUARE EDDIE 2006 SMART STRIKE 2011 RETIRED 601 20 1.66 78 1.62 SQUARE EDDIE 2006 SMART STRIKE 2011 RETIRED 601 20 1.66 78 1.62 SQUARE EDDIE 2006 SMART STRIKE 2013 KY 1307 49 1.87 168 1.61 TWIRLING CANDY 2007 CANDY RIDE 2013 KY 1307 49 1.87 168 1.61 TWIRLING CANDY 2007 SANDY RIDE 2013 KY 1307 49 1.87 168 1.61 TWIRLING CANDY 2007 SANDY RIDE 2013 KY 1307 49 1.87 168 1.61 MEHMAS 2014 ACCLAMATION 2018 IRE 461 19 2.06 59 1.60 STREET SENSE 2004 STREET CRY 2009 KY 1650 61 1.85 211 1.60 DISTORTED HUMOR 1993 FORTY NINER 2000 RETIRED 1266 42 1.66 161 1.59 SILENT NAME 2002 SUNDAY SILENCE 2009 ON 714 25 1.75 90 1.58 | KINGMAN | 2011 | INVINCIBLE SPIRIT | 2016 | ENG | 909 | 51 | 2.81 | 132 | 1.82 |
| FARHH 2008 PIVOTAL 2015 ENG 248 15 3.02 35 1.76 LAOBAN 2013 UNCLE MO 2018 DEAD 223 13 2.91 31 1.74 LOPE DE VEGA 2007 SHAMARDAL 2012 IRE 1698 79 2.33 237 1.74 GREAT NOTION 2000 ELUSIVE QUALITY 2006 MD 647 16 1.24 90 1.74 TEOFILO 2004 GALILEO 2009 IRE 1145 61 2.66 158 1.72 AMERICAN PHAROAH 2012 PIONEEROF THE NILE 2017 KY 764 33 2.16 105 1.72 GRAZEN 2006 BENCHMARK 2011 CA 432 17 1.97 59 1.71 ENGLISH CHANNEL 2002 SMART STRIKE 2009 DEAD 1338 66 2.47 180 1.68 CENTRAL BANKER 2010 <td< td=""><td>QUALITY ROAD</td><td>2006</td><td>ELUSIVE QUALITY</td><td>2012</td><td>KY</td><td>1503</td><td>67</td><td>2.23</td><td>216</td><td>1.80</td></td<> | QUALITY ROAD | 2006 | ELUSIVE QUALITY | 2012 | KY | 1503 | 67 | 2.23 | 216 | 1.80 |
| LAOBAN 2013 UNCLE MO 2018 DEAD 223 13 2.91 31 1.74 LOPE DE VEGA 2007 SHAMARDAL 2012 IRE 1698 79 2.33 237 1.74 GREAT NOTION 2000 ELUSIVE QUALITY 2006 MD 647 16 1.24 90 1.74 TEOFILO 2004 GALILEO 2009 IRE 1145 61 2.66 158 1.72 AMERICAN PHAROAH 2012 PIONEEROF THE NILE 2017 KY 764 33 2.16 105 1.72 GRAZEN 2006 BENCHMARK 2011 CA 432 17 1.97 59 1.71 ENGLISH CHANNEL 2002 SMART STRIKE 2009 DEAD 1338 66 2.47 180 1.68 CENTRAL BANKER 2010 SPEIGHTSTOWN 2016 NY 454 22 2.42 61 1.68 MUNNINGS 2006 | AREION | 1995 | BIG SHUFFLE | 2002 | DEAD | 679 | 27 | 1.99 | 96 | 1.77 |
| LOPE DE VEGA 2007 SHAMARDAL 2012 IRE 1698 79 2.33 237 1.74 GREAT NOTION 2000 ELUSIVE QUALITY 2006 MD 647 16 1.24 90 1.74 TEOFILO 2004 GALILEO 2009 IRE 1145 61 2.66 158 1.72 AMERICAN PHAROAH 2012 PIONEEROF THE NILE 2017 KY 764 33 2.16 105 1.72 GRAZEN 2006 BENCHMARK 2011 CA 432 17 1.97 59 1.71 ENGLISH CHANNEL 2002 SMART STRIKE 2009 DEAD 1338 66 2.47 180 1.68 CENTRAL BANKER 2010 SPEIGHTSTOWN 2016 NY 454 22 2.42 61 1.68 MUNNINGS 2006 SPEIGHTSTOWN 2012 KY 1523 71 2.33 205 1.68 MUNNINGS 2006 <td>FARHH</td> <td>2008</td> <td>PIVOTAL</td> <td>2015</td> <td>ENG</td> <td>248</td> <td>15</td> <td>3.02</td> <td>35</td> <td>1.76</td> | FARHH | 2008 | PIVOTAL | 2015 | ENG | 248 | 15 | 3.02 | 35 | 1.76 |
| GREAT NOTION 2000 ELUSIVE QUALITY 2006 MD 647 16 1.24 90 1.74 TEOFILO 2004 GALILEO 2009 IRE 1145 61 2.66 158 1.72 AMERICAN PHAROAH 2012 PIONEEROF THE NILE 2017 KY 764 33 2.16 105 1.72 GRAZEN 2006 BENCHMARK 2011 CA 432 17 1.97 59 1.71 ENGLISH CHANNEL 2002 SMART STRIKE 2009 DEAD 1338 66 2.47 180 1.68 CENTRAL BANKER 2010 SPEIGHTSTOWN 2016 NY 454 22 2.42 61 1.68 MUNNINGS 2006 SPEIGHTSTOWN 2012 KY 1523 71 2.33 205 1.68 MUNNINGS 2006 SPEIGHTSTOWN 2012 KY 1523 71 2.33 205 1.68 ADLEFFLUG 2004 | LAOBAN | 2013 | UNCLE MO | 2018 | DEAD | 223 | 13 | 2.91 | 31 | 1.74 |
| TEOFILO 2004 GALILEO 2009 IRE 1145 61 2.66 158 1.72 AMERICAN PHAROAH 2012 PIONEEROF THE NILE 2017 KY 764 33 2.16 105 1.72 GRAZEN 2006 BENCHMARK 2011 CA 432 17 1.97 59 1.71 ENGLISH CHANNEL 2002 SMART STRIKE 2009 DEAD 1338 66 2.47 180 1.68 CENTRAL BANKER 2010 SPEIGHTSTOWN 2016 NY 454 22 2.42 61 1.68 MUNNINGS 2006 SPEIGHTSTOWN 2012 KY 1523 71 2.33 205 1.68 ADLERFLUG 2004 IN THE WINGS 2011 DEAD 415 31 3.73 55 1.66 BLAME 2006 ARCH 2012 KY 1061 40 1.89 138 1.63 SIYOUNI 2007 PIVOTAL 2012 FR 1601 66 2.06 207 1.62 PIONEEROF THE NILE 2006 EMPIRE MAKER 2011 DEAD 1240 42 1.69 161 1.62 SQUARE EDDIE 2006 SMART STRIKE 2011 RETIRED 601 20 1.66 78 1.62 SOLDIER HOLLOW 2000 IN THE WINGS 2009 GER 875 35 2.00 113 1.61 TWIRLING CANDY 2007 CANDY RIDE 2013 KY 1307 49 1.87 168 1.61 TWIRLING CANDY 2007 CANDY RIDE 2013 KY 1307 49 1.87 168 1.61 MEHMAS 2014 ACCLAMATION 2018 IRE 461 19 2.06 59 1.60 STREET SENSE 2004 STREET CRY 2009 KY 1650 61 1.85 211 1.60 DISTORTED HUMOR 1993 FORTY NINER 2000 RETIRED 1266 42 1.66 161 1.59 SILENT NAME 2002 SUNDAY SILENCE 2009 ON 714 25 1.75 90 1.58 FASTNET ROCK 2001 DANEHILL 2011 AUS 915 41 2.24 115 1.57 | LOPE DE VEGA | 2007 | SHAMARDAL | 2012 | IRE | 1698 | 79 | 2.33 | 237 | 1.74 |
| AMERICAN PHAROAH 2012 PIONEEROF THE NILE 2017 KY 764 33 2.16 105 1.72 GRAZEN 2006 BENCHMARK 2011 CA 432 17 1.97 59 1.71 ENGLISH CHANNEL 2002 SMART STRIKE 2009 DEAD 1338 66 2.47 180 1.68 CENTRAL BANKER 2010 SPEIGHTSTOWN 2016 NY 454 22 2.42 61 1.68 MUNNINGS 2006 SPEIGHTSTOWN 2012 KY 1523 71 2.33 205 1.68 ADLERFLUG 2004 IN THE WINGS 2011 DEAD 415 31 3.73 55 1.66 BLAME 2006 ARCH 2012 KY 1061 40 1.89 138 1.63 SIYOUNI 2007 PIVOTAL 2012 FR 1601 66 2.06 207 1.62 PIONEEROF THE NILE 2006 EMPIRE MAKER 2011 DEAD 1240 42 1.69 161 1.62 SQUARE EDDIE 2006 SMART STRIKE 2011 RETIRED 601 20 1.66 78 1.62 SOLDIER HOLLOW 2000 IN THE WINGS 2009 GER 875 35 2.00 113 1.61 TWIRLING CANDY 2007 CANDY RIDE 2013 KY 1307 49 1.87 168 1.61 MEHMAS 2014 ACCLAMATION 2018 IRE 461 19 2.06 59 1.60 STREET SENSE 2004 STREET CRY 2009 KY 1650 61 1.85 211 1.60 DISTORTED HUMOR 1993 FORTY NINER 2000 RETIRED 1266 42 1.66 161 1.59 SILENT NAME 2002 SUNDAY SILENCE 2009 ON 714 25 1.75 90 1.58 FASTNET ROCK 2001 DANEHILL 2011 AUS 915 41 2.24 115 1.57 | GREAT NOTION | 2000 | ELUSIVE QUALITY | 2006 | MD | 647 | 16 | 1.24 | 90 | 1.74 |
| GRAZEN 2006 BENCHMARK 2011 CA 432 17 1.97 59 1.71 ENGLISH CHANNEL 2002 SMART STRIKE 2009 DEAD 1338 66 2.47 180 1.68 CENTRAL BANKER 2010 SPEIGHTSTOWN 2016 NY 454 22 2.42 61 1.68 MUNNINGS 2006 SPEIGHTSTOWN 2012 KY 1523 71 2.33 205 1.68 ADLERFLUG 2004 IN THE WINGS 2011 DEAD 415 31 3.73 55 1.66 BLAME 2006 ARCH 2012 KY 1061 40 1.89 138 1.63 SIYOUNI 2007 PIVOTAL 2012 FR 1601 66 2.06 207 1.62 PIONEEROF THE NILE 2006 EMPIRE MAKER 2011 DEAD 1240 42 1.69 161 1.62 SQUARE EDDIE 2006 S | TEOFILO | 2004 | GALILEO | 2009 | IRE | 1145 | 61 | 2.66 | 158 | 1.72 |
| ENGLISH CHANNEL 2002 SMART STRIKE 2009 DEAD 1338 66 2.47 180 1.68 CENTRAL BANKER 2010 SPEIGHTSTOWN 2016 NY 454 22 2.42 61 1.68 MUNNINGS 2006 SPEIGHTSTOWN 2012 KY 1523 71 2.33 205 1.68 ADLERFLUG 2004 IN THE WINGS 2011 DEAD 415 31 3.73 55 1.66 BLAME 2006 ARCH 2012 KY 1061 40 1.89 138 1.63 SIYOUNI 2007 PIVOTAL 2012 FR 1601 66 2.06 207 1.62 PIONEEROF THE NILE 2006 EMPIRE MAKER 2011 DEAD 1240 42 1.69 161 1.62 SQUARE EDDIE 2006 SMART STRIKE 2011 RETIRED 601 20 1.66 78 1.62 SOLDIER HOLLOW 2000 <td>AMERICAN PHAROAH</td> <td>2012</td> <td>PIONEEROF THE NILE</td> <td>2017</td> <td>KY</td> <td>764</td> <td>33</td> <td>2.16</td> <td>105</td> <td>1.72</td> | AMERICAN PHAROAH | 2012 | PIONEEROF THE NILE | 2017 | KY | 764 | 33 | 2.16 | 105 | 1.72 |
| CENTRAL BANKER 2010 SPEIGHTSTOWN 2016 NY 454 22 2.42 61 1.68 MUNNINGS 2006 SPEIGHTSTOWN 2012 KY 1523 71 2.33 205 1.68 ADLERFLUG 2004 IN THE WINGS 2011 DEAD 415 31 3.73 55 1.66 BLAME 2006 ARCH 2012 KY 1061 40 1.89 138 1.63 SIYOUNI 2007 PIVOTAL 2012 FR 1601 66 2.06 207 1.62 PIONEEROF THE NILE 2006 EMPIRE MAKER 2011 DEAD 1240 42 1.69 161 1.62 SQUARE EDDIE 2006 SMART STRIKE 2011 RETIRED 601 20 1.66 78 1.62 SOLDIER HOLLOW 2000 IN THE WINGS 2009 GER 875 35 2.00 113 1.61 TWIRLING CANDY 2007 | GRAZEN | 2006 | BENCHMARK | 2011 | CA | 432 | 17 | 1.97 | 59 | 1.71 |
| MUNNINGS 2006 SPEIGHTSTOWN 2012 KY 1523 71 2.33 205 1.68 ADLERFLUG 2004 IN THE WINGS 2011 DEAD 415 31 3.73 55 1.66 BLAME 2006 ARCH 2012 KY 1061 40 1.89 138 1.63 SIYOUNI 2007 PIVOTAL 2012 FR 1601 66 2.06 207 1.62 PIONEEROF THE NILE 2006 EMPIRE MAKER 2011 DEAD 1240 42 1.69 161 1.62 SQUARE EDDIE 2006 SMART STRIKE 2011 RETIRED 601 20 1.66 78 1.62 SOLDIER HOLLOW 2000 IN THE WINGS 2009 GER 875 35 2.00 113 1.61 TWIRLING CANDY 2007 CANDY RIDE 2013 KY 1307 49 1.87 168 1.61 MEHMAS 2014 | ENGLISH CHANNEL | 2002 | SMART STRIKE | 2009 | DEAD | 1338 | 66 | 2.47 | 180 | 1.68 |
| ADLERFLUG 2004 IN THE WINGS 2011 DEAD 415 31 3.73 55 1.66 BLAME 2006 ARCH 2012 KY 1061 40 1.89 138 1.63 SIYOUNI 2007 PIVOTAL 2012 FR 1601 66 2.06 207 1.62 PIONEEROF THE NILE 2006 EMPIRE MAKER 2011 DEAD 1240 42 1.69 161 1.62 SQUARE EDDIE 2006 SMART STRIKE 2011 RETIRED 601 20 1.66 78 1.62 SOLDIER HOLLOW 2000 IN THE WINGS 2009 GER 875 35 2.00 113 1.61 TWIRLING CANDY 2007 CANDY RIDE 2013 KY 1307 49 1.87 168 1.61 MEHMAS 2014 ACCLAMATION 2018 IRE 461 19 2.06 59 1.60 STREET SENSE 2004 STREET CRY 2009 KY 1650 61 1.85 211 1.60 DISTORTED HUMOR 1993 FORTY NINER 2000 RETIRED 1266 42 1.66 161 1.59 SILENT NAME 2002 SUNDAY SILENCE 2009 ON 714 25 1.75 90 1.58 FASTNET ROCK 2001 DANEHILL 2011 AUS 915 41 2.24 115 1.57 | CENTRAL BANKER | 2010 | SPEIGHTSTOWN | 2016 | NY | 454 | 22 | 2.42 | 61 | 1.68 |
| BLAME 2006 ARCH 2012 KY 1061 40 1.89 138 1.63 SIYOUNI 2007 PIVOTAL 2012 FR 1601 66 2.06 207 1.62 PIONEEROF THE NILE 2006 EMPIRE MAKER 2011 DEAD 1240 42 1.69 161 1.62 SQUARE EDDIE 2006 SMART STRIKE 2011 RETIRED 601 20 1.66 78 1.62 SOLDIER HOLLOW 2000 IN THE WINGS 2009 GER 875 35 2.00 113 1.61 TWIRLING CANDY 2007 CANDY RIDE 2013 KY 1307 49 1.87 168 1.61 MEHMAS 2014 ACCLAMATION 2018 IRE 461 19 2.06 59 1.60 STREET SENSE 2004 STREET CRY 2009 KY 1650 61 1.85 211 1.60 DISTORTED HUMOR 1993 | MUNNINGS | 2006 | SPEIGHTSTOWN | 2012 | KY | 1523 | 71 | 2.33 | 205 | 1.68 |
| SIYOUNI 2007 PIVOTAL 2012 FR 1601 66 2.06 207 1.62 PIONEEROF THE NILE 2006 EMPIRE MAKER 2011 DEAD 1240 42 1.69 161 1.62 SQUARE EDDIE 2006 SMART STRIKE 2011 RETIRED 601 20 1.66 78 1.62 SOLDIER HOLLOW 2000 IN THE WINGS 2009 GER 875 35 2.00 113 1.61 TWIRLING CANDY 2007 CANDY RIDE 2013 KY 1307 49 1.87 168 1.61 MEHMAS 2014 ACCLAMATION 2018 IRE 461 19 2.06 59 1.60 STREET SENSE 2004 STREET CRY 2009 KY 1650 61 1.85 211 1.60 DISTORTED HUMOR 1993 FORTY NINER 2000 RETIRED 1266 42 1.66 161 1.59 SILENT NAME | ADLERFLUG | 2004 | IN THE WINGS | 2011 | DEAD | 415 | 31 | 3.73 | 55 | 1.66 |
| PIONEEROF THE NILE 2006 EMPIRE MAKER 2011 DEAD 1240 42 1.69 161 1.62 SQUARE EDDIE 2006 SMART STRIKE 2011 RETIRED 601 20 1.66 78 1.62 SOLDIER HOLLOW 2000 IN THE WINGS 2009 GER 875 35 2.00 113 1.61 TWIRLING CANDY 2007 CANDY RIDE 2013 KY 1307 49 1.87 168 1.61 MEHMAS 2014 ACCLAMATION 2018 IRE 461 19 2.06 59 1.60 STREET SENSE 2004 STREET CRY 2009 KY 1650 61 1.85 211 1.60 DISTORTED HUMOR 1993 FORTY NINER 2000 RETIRED 1266 42 1.66 161 1.59 SILENT NAME 2002 SUNDAY SILENCE 2009 ON 714 25 1.75 90 1.58 FASTNET ROCK </td <td>BLAME</td> <td>2006</td> <td>ARCH</td> <td>2012</td> <td>KY</td> <td>1061</td> <td>40</td> <td>1.89</td> <td>138</td> <td>1.63</td> | BLAME | 2006 | ARCH | 2012 | KY | 1061 | 40 | 1.89 | 138 | 1.63 |
| SQUARE EDDIE 2006 SMART STRIKE 2011 RETIRED 601 20 1.66 78 1.62 SOLDIER HOLLOW 2000 IN THE WINGS 2009 GER 875 35 2.00 113 1.61 TWIRLING CANDY 2007 CANDY RIDE 2013 KY 1307 49 1.87 168 1.61 MEHMAS 2014 ACCLAMATION 2018 IRE 461 19 2.06 59 1.60 STREET SENSE 2004 STREET CRY 2009 KY 1650 61 1.85 211 1.60 DISTORTED HUMOR 1993 FORTY NINER 2000 RETIRED 1266 42 1.66 161 1.59 SILENT NAME 2002 SUNDAY SILENCE 2009 ON 714 25 1.75 90 1.58 FASTNET ROCK 2001 DANEHILL 2011 AUS 915 41 2.24 115 1.57 | SIYOUNI | 2007 | PIVOTAL | 2012 | FR | 1601 | 66 | 2.06 | 207 | 1.62 |
| SOLDIER HOLLOW 2000 IN THE WINGS 2009 GER 875 35 2.00 113 1.61 TWIRLING CANDY 2007 CANDY RIDE 2013 KY 1307 49 1.87 168 1.61 MEHMAS 2014 ACCLAMATION 2018 IRE 461 19 2.06 59 1.60 STREET SENSE 2004 STREET CRY 2009 KY 1650 61 1.85 211 1.60 DISTORTED HUMOR 1993 FORTY NINER 2000 RETIRED 1266 42 1.66 161 1.59 SILENT NAME 2002 SUNDAY SILENCE 2009 ON 714 25 1.75 90 1.58 FASTNET ROCK 2001 DANEHILL 2011 AUS 915 41 2.24 115 1.57 | PIONEEROF THE NILE | 2006 | EMPIRE MAKER | 2011 | DEAD | 1240 | 42 | 1.69 | 161 | 1.62 |
| TWIRLING CANDY 2007 CANDY RIDE 2013 KY 1307 49 1.87 168 1.61 MEHMAS 2014 ACCLAMATION 2018 IRE 461 19 2.06 59 1.60 STREET SENSE 2004 STREET CRY 2009 KY 1650 61 1.85 211 1.60 DISTORTED HUMOR 1993 FORTY NINER 2000 RETIRED 1266 42 1.66 161 1.59 SILENT NAME 2002 SUNDAY SILENCE 2009 ON 714 25 1.75 90 1.58 FASTNET ROCK 2001 DANEHILL 2011 AUS 915 41 2.24 115 1.57 | SQUARE EDDIE | 2006 | SMART STRIKE | 2011 | RETIRED | 601 | 20 | 1.66 | 78 | 1.62 |
| MEHMAS 2014 ACCLAMATION 2018 IRE 461 19 2.06 59 1.60 STREET SENSE 2004 STREET CRY 2009 KY 1650 61 1.85 211 1.60 DISTORTED HUMOR 1993 FORTY NINER 2000 RETIRED 1266 42 1.66 161 1.59 SILENT NAME 2002 SUNDAY SILENCE 2009 ON 714 25 1.75 90 1.58 FASTNET ROCK 2001 DANEHILL 2011 AUS 915 41 2.24 115 1.57 | SOLDIER HOLLOW | 2000 | IN THE WINGS | 2009 | GER | 875 | 35 | 2.00 | 113 | 1.61 |
| STREET SENSE 2004 STREET CRY 2009 KY 1650 61 1.85 211 1.60 DISTORTED HUMOR 1993 FORTY NINER 2000 RETIRED 1266 42 1.66 161 1.59 SILENT NAME 2002 SUNDAY SILENCE 2009 ON 714 25 1.75 90 1.58 FASTNET ROCK 2001 DANEHILL 2011 AUS 915 41 2.24 115 1.57 | TWIRLING CANDY | 2007 | CANDY RIDE | 2013 | KY | 1307 | 49 | 1.87 | 168 | 1.61 |
| DISTORTED HUMOR 1993 FORTY NINER 2000 RETIRED 1266 42 1.66 161 1.59 SILENT NAME 2002 SUNDAY SILENCE 2009 ON 714 25 1.75 90 1.58 FASTNET ROCK 2001 DANEHILL 2011 AUS 915 41 2.24 115 1.57 | MEHMAS | 2014 | ACCLAMATION | 2018 | IRE | 461 | 19 | 2.06 | 59 | 1.60 |
| SILENT NAME 2002 SUNDAY SILENCE 2009 ON 714 25 1.75 90 1.58 FASTNET ROCK 2001 DANEHILL 2011 AUS 915 41 2.24 115 1.57 | STREET SENSE | 2004 | STREET CRY | 2009 | KY | 1650 | 61 | 1.85 | 211 | 1.60 |
| FASTNET ROCK 2001 DANEHILL 2011 AUS 915 41 2.24 115 1.57 | DISTORTED HUMOR | 1993 | FORTY NINER | 2000 | RETIRED | 1266 | 42 | 1.66 | 161 | 1.59 |
| | SILENT NAME | 2002 | SUNDAY SILENCE | 2009 | ON | 714 | 25 | 1.75 | 90 | 1.58 |
| JUMP START 1999 A.P. INDY 2004 DEAD 1038 19 0.92 130 1.57 | FASTNET ROCK | 2001 | DANEHILL | 2011 | AUS | 915 | 41 | 2.24 | 115 | 1.57 |
| | JUMP START | 1999 | A.P. INDY | 2004 | DEAD | 1038 | 19 | 0.92 | 130 | 1.57 |

TABLE 3. TOP 50 NA/EU SIRES BY NUMBER OF A RUNNERS

| | | | 1 st | | _ | # | Α | # | ABC |
|--------------------|------|-------------------|-----------------|-----------------|-------------|----------|--------------|-------|--------------|
| SIRE | YR | HIS SIRE | Foals | ST | Runners | A's | Index | ABC's | Index |
| GALILEO | 1998 | SADLER'S WELLS | 2003 | DEAD | 1810 | 223 | 6.16 | 393 | 2.71 |
| DUBAWI | 2002 | DUBAI MILLENNIUM | 2007 | ENG | 1658 | 182 | 5.49 | 384 | 2.90 |
| INTO MISCHIEF | 2005 | HARLAN'S HOLIDAY | 2010 | KY | 2430 | 135 | 2.78 | 433 | 2.23 |
| TAPIT | 2001 | PULPIT | 2006 | KY | 1856 | 120 | 3.23 | 325 | 2.19 |
| FRANKEL | 2008 | GALILEO | 2014 | ENG | 1245 | 118 | 4.74 | 260 | 2.61 |
| CURLIN | 2004 | SMART STRIKE | 2010 | KY | 1628 | 116 | 3.56 | 298 | 2.29 |
| UNCLE MO | 2008 | INDIAN CHARLIE | 2013 | KY | 1741 | 109 | 3.13 | 278 | 2.00 |
| WAR FRONT | 2002 | DANZIG | 2008 | KY | 1243 | 93 | 3.74 | 233 | 2.34 |
| DARK ANGEL | 2005 | ACCLAMATION | 2009 | IRE | 2307 | 91 | 1.97 | 261 | 1.41 |
| SEA THE STARS | 2006 | CAPE CROSS | 2011 | IRE | 1312 | 90 | 3.43 | 208 | 1.98 |
| MEDAGLIA D'ORO | 1999 | EL PRADO | 2006 | KY | 1348 | 87 | 3.23 | 203 | 1.88 |
| SPEIGHTSTOWN | 1998 | GONE WEST | 2006 | KY | 1568 | 86 | 2.74 | 253 | 2.02 |
| CANDY RIDE | 1999 | RIDE THE RAILS | 2006 | KY | 1634 | 85 | 2.60 | 242 | 1.85 |
| LOPE DE VEGA | 2007 | SHAMARDAL | 2012 | IRE | 1698 | 79 | 2.33 | 237 | 1.74 |
| KITTEN'S JOY | 2001 | EL PRADO | 2007 | DEAD | 2298 | 77 | 1.68 | 224 | 1.22 |
| GHOSTZAPPER | 2000 | AWESOME AGAIN | 2007 | KY | 1466 | 73 | 2.49 | 227 | 1.94 |
| MUNNINGS | | SPEIGHTSTOWN | 2012 | KY | 1523 | 71 | 2.33 | 205 | 1.68 |
| SHAMARDAL | | GIANT'S CAUSEWAY | 2007 | DEAD | 1226 | 70 | 2.85 | 192 | 1.96 |
| MALIBU MOON | | A.P. INDY | 2001 | DEAD | 1815 | 70 | 1.93 | 224 | 1.54 |
| QUALITY ROAD | | ELUSIVE QUALITY | 2012 | KY | 1503 | 67 | 2.23 | 216 | 1.80 |
| ENGLISH CHANNEL | | SMART STRIKE | 2009 | DEAD | 1338 | 66 | 2.47 | 180 | 1.68 |
| SIYOUNI | | PIVOTAL | 2012 | FR | 1601 | 66 | 2.06 | 207 | 1.62 |
| INVINCIBLE SPIRIT | | GREEN DESERT | 2004 | IRE | 1643 | 65 | 1.98 | 189 | 1.44 |
| TEOFILO | | GALILEO | 2009 | IRE | 1145 | 61 | 2.66 | 158 | 1.72 |
| STREET SENSE | | STREET CRY | 2009 | KY | 1650 | 61 | 1.85 | 211 | 1.60 |
| MORE THAN READY | | SOUTHERN HALO | 2002 | DEAD | 1609 | 60 | 1.86 | 191 | 1.48 |
| KODIAC | | DANEHILL | 2002 | IRE | 2493 | 58 | 1.16 | 224 | 1.12 |
| HARD SPUN | | DANZIG | 2009 | KY | 1807 | 57 | 1.58 | 196 | 1.36 |
| KINGMAN | | INVINCIBLE SPIRIT | 2016 | ENG | 909 | 51 | 2.81 | 132 | 1.82 |
| CAMELOT | | MONTJEU | 2010 | IRE | 1060 | 51 | 2.41 | 119 | 1.40 |
| BERNARDINI | | A.P. INDY | 2013 | DEAD | 1375 | 50 | 1.82 | 159 | 1.45 |
| ZOFFANY | | DANSILI | 2008 | DEAD | 1630 | 50 | 1.53 | 145 | 1.11 |
| TWIRLING CANDY | | CANDY RIDE | | KY | | 49 | | | |
| PIVOTAL | | POLAR FALCON | 2013 1998 | DEAD | 1307 879 | | 1.87 2.73 | 168 | 1.61 1.89 |
| ACCLAMATION | | | 2005 | IRE | 1465 | 48 46 | | 133 | 1.25 |
| | | ROYAL APPLAUSE | | | | | 1.57 | 147 | |
| PIONEEROF THE NILE | | EMPIRE MAKER | 2011 | DEAD RETIRED | 1240 | 42 | 1.69 | 161 | 1.62 |
| DISTORTED HUMOR | | FORTY NINER | 2000 | | 1266 | 42 | 1.66 | 161 | 1.59 |
| CONSTITUTION | | TAPIT | 2017 | KY | 579 | 41 | 3.54 | 97 | 2.09 |
| FASTNET ROCK | | DANEHILL | 2011 | AUS | 915 | 41 | 2.24 | 115 | 1.57 |
| LE HAVRE | | NOVERRE | 2011 | DEAD | 1229 | 41 | 1.67 | 137 | 1.39 |
| LEMON DROP KID | | KINGMAMBO | 2002 | RETIRED | 1284 | 41 | 1.60 | 137 | 1.33 |
| BLAME | | ARCH | 2012 | KY | 1061 | 40 | 1.89 | 138 | 1.63 |
| FLATTER | | A.P. INDY | 2005 | DEAD | 1283 | 40 | 1.56 | 141 | 1.37 |
| WOOTTON BASSETT | | IFFRAAJ | 2013 | IRE | 715 | 39 | 2.73 | 88 | 1.54 |
| NEW APPROACH | | GALILEO | 2010 | ENG | 1064 | 39 | 1.83 | 102 | 1.20 |
| SHOWCASING | | OASIS DREAM | 2012 | ENG | 1267 | 39 | 1.54 | 110 | 1.09 |
| MASTERCRAFTSMAN | | DANEHILL DANCER | 2011 | DEAD | 1437 | 39 | 1.36 | 136 | 1.18 |
| EXCEED AND EXCEL | | DANEHILL | 2006 | AUS | 1466 | 39 | 1.33 | 144 | 1.23 |
| UNION RAGS | | DIXIE UNION | 2014 | KY | 1279 | 38 | 1.49 | 117 | 1.14 |
| LOOKIN AT LUCKY | 2007 | SMART STRIKE | 2012 | KY | 1171 | 36 | 1.54 | 115 | 1.23 |

TABLE 4. TOP 50 NA / EU SIRES BY NUMBER OF ABC RUNNERS

| SIRE | YR | HIS SIRE | 1 st | ST | Runners | # | Α | # | ABC |
|--------------------|------|-------------------|-----------------|----------|-----------|-----|-------|-------|-------|
| JIKE | 110 | III3 SINL | Foals | <u> </u> | Kuilliers | A's | Index | ABC's | Index |
| INTO MISCHIEF | 2005 | HARLAN'S HOLIDAY | 2010 | KY | 2430 | 135 | 2.78 | 433 | 2.23 |
| GALILEO | 1998 | SADLER'S WELLS | 2003 | DEAD | 1810 | 223 | 6.16 | 393 | 2.71 |
| DUBAWI | 2002 | DUBAI MILLENNIUM | 2007 | ENG | 1658 | 182 | 5.49 | 384 | 2.90 |
| TAPIT | 2001 | PULPIT | 2006 | KY | 1856 | 120 | 3.23 | 325 | 2.19 |
| CURLIN | 2004 | SMART STRIKE | 2010 | KY | 1628 | 116 | 3.56 | 298 | 2.29 |
| UNCLE MO | 2008 | INDIAN CHARLIE | 2013 | KY | 1741 | 109 | 3.13 | 278 | 2.00 |
| DARK ANGEL | 2005 | ACCLAMATION | 2009 | IRE | 2307 | 91 | 1.97 | 261 | 1.41 |
| FRANKEL | 2008 | GALILEO | 2014 | ENG | 1245 | 118 | 4.74 | 260 | 2.61 |
| SPEIGHTSTOWN | 1998 | GONE WEST | 2006 | KY | 1568 | 86 | 2.74 | 253 | 2.02 |
| CANDY RIDE | 1999 | RIDE THE RAILS | 2006 | KY | 1634 | 85 | 2.60 | 242 | 1.85 |
| LOPE DE VEGA | 2007 | SHAMARDAL | 2012 | IRE | 1698 | 79 | 2.33 | 237 | 1.74 |
| WAR FRONT | | DANZIG | 2008 | KY | 1243 | 93 | 3.74 | 233 | 2.34 |
| GHOSTZAPPER | | AWESOME AGAIN | 2007 | KY | 1466 | 73 | 2.49 | 227 | 1.94 |
| MALIBU MOON | | A.P. INDY | 2001 | DEAD | 1815 | 70 | 1.93 | 224 | 1.54 |
| KITTEN'S JOY | | EL PRADO | 2007 | DEAD | 2298 | 77 | 1.68 | 224 | 1.22 |
| KODIAC | | DANEHILL | 2008 | IRE | 2493 | 58 | 1.16 | 224 | 1.12 |
| QUALITY ROAD | | ELUSIVE QUALITY | 2012 | KY | | 67 | | | 1.80 |
| | | | | | 1503 | | 2.23 | 216 | |
| STREET SENSE | | STREET CRY | 2009 | KY | 1650 | 61 | 1.85 | 211 | 1.60 |
| SEA THE STARS | | CAPE CROSS | 2011 | IRE | 1312 | 90 | 3.43 | 208 | 1.98 |
| SIYOUNI | | PIVOTAL | 2012 | FR | 1601 | 66 | 2.06 | 207 | 1.62 |
| MUNNINGS | | SPEIGHTSTOWN | 2012 | KY | 1523 | 71 | 2.33 | 205 | 1.68 |
| MEDAGLIA D'ORO | | EL PRADO | 2006 | KY | 1348 | 87 | 3.23 | 203 | 1.88 |
| HARD SPUN | | DANZIG | 2009 | KY | 1807 | 57 | 1.58 | 196 | 1.36 |
| SHAMARDAL | | GIANT'S CAUSEWAY | 2007 | DEAD | 1226 | 70 | 2.85 | 192 | 1.96 |
| MORE THAN READY | | SOUTHERN HALO | 2002 | DEAD | 1609 | 60 | 1.86 | 191 | 1.48 |
| INVINCIBLE SPIRIT | 1997 | GREEN DESERT | 2004 | IRE | 1643 | 65 | 1.98 | 189 | 1.44 |
| ENGLISH CHANNEL | 2002 | SMART STRIKE | 2009 | DEAD | 1338 | 66 | 2.47 | 180 | 1.68 |
| TWIRLING CANDY | 2007 | CANDY RIDE | 2013 | KY | 1307 | 49 | 1.87 | 168 | 1.61 |
| PIONEEROF THE NILE | 2006 | EMPIRE MAKER | 2011 | DEAD | 1240 | 42 | 1.69 | 161 | 1.62 |
| DISTORTED HUMOR | 1993 | FORTY NINER | 2000 | RETIRED | 1266 | 42 | 1.66 | 161 | 1.59 |
| BERNARDINI | 2003 | A.P. INDY | 2008 | DEAD | 1375 | 50 | 1.82 | 159 | 1.45 |
| TEOFILO | 2004 | GALILEO | 2009 | IRE | 1145 | 61 | 2.66 | 158 | 1.72 |
| EMPIRE MAKER | 2000 | UNBRIDLED | 2005 | DEAD | 1940 | 33 | 0.85 | 157 | 1.01 |
| ACCLAMATION | 1999 | ROYAL APPLAUSE | 2005 | IRE | 1465 | 46 | 1.57 | 147 | 1.25 |
| ZOFFANY | 2008 | DANSILI | 2013 | DEAD | 1630 | 50 | 1.53 | 145 | 1.11 |
| EXCEED AND EXCEL | 2000 | DANEHILL | 2006 | AUS | 1466 | 39 | 1.33 | 144 | 1.23 |
| THE FACTOR | 2008 | WAR FRONT | 2014 | KY | 1448 | 31 | 1.07 | 143 | 1.23 |
| FLATTER | 1999 | A.P. INDY | 2005 | DEAD | 1283 | 40 | 1.56 | 141 | 1.37 |
| BLAME | | ARCH | 2012 | KY | 1061 | 40 | 1.89 | 138 | 1.63 |
| LE HAVRE | | NOVERRE | 2011 | DEAD | 1229 | 41 | 1.67 | 137 | 1.39 |
| LEMON DROP KID | | KINGMAMBO | 2002 | RETIRED | | 41 | 1.60 | 137 | 1.33 |
| KENDARGENT | | KENDOR | 2009 | FR | 1226 | 27 | 1.10 | 137 | 1.40 |
| MASTERCRAFTSMAN | | DANEHILL DANCER | 2011 | DEAD | 1437 | 39 | 1.36 | 136 | 1.18 |
| PIVOTAL | | POLAR FALCON | 1998 | DEAD | 879 | 48 | 2.73 | 133 | 1.18 |
| KINGMAN | | INVINCIBLE SPIRIT | 2016 | ENG | 909 | 51 | 2.73 | 132 | 1.82 |
| MINESHAFT | | A.P. INDY | 2016 | KY | 1300 | 35 | 1.35 | 132 | 1.02 |
| VICTOIRE PISA | | NEO UNIVERSE | | | | 25 | | | |
| | | | 2013 | TUR | 1619 | | 0.77 | 131 | 1.01 |
| JUMP START | | A.P. INDY | 2004 | DEAD | 1038 | 19 | 0.92 | 130 | 1.57 |
| OASIS DREAM | | GREEN DESERT | 2005 | ENG | 1414 | 29 | 1.03 | 129 | 1.14 |
| KANTHAROS | 2008 | LION HEART | 2012 | KY | 1206 | 32 | 1.33 | 124 | 1.29 |



New Bay, 3.46 A / 2.06 ABC Runner Index Photo courtesy Ballylinch Stud



Not This Time, 3.09 A / 2.31 ABC Index Photo courtesy Taylor Made Stallions

TABLE 5. TOP 15 NA/EU F2018 SIRES BY A RUNNER INDEX

| SIRE | YR | HIS SIRE | 1 st Foals | ST | Runners | # A's | A Index | # ABC's | ABC Index |
|-----------------|------|------------------|--------------------------|------|---------|----------|------------|------------|--------------|
| NEW BAY | 2012 | DUBAWI | 2018 | IRE | 231 | 16 | 3.46 | 38 | 2.06 |
| NOT THIS TIME | 2014 | GIANT'S CAUSEWAY | 2018 | KY | 324 | 20 | 3.09 | 60 | 2.31 |
| LAOBAN | 2013 | UNCLE MO | 2018 | DEAD | 223 | 13 | 2.91 | 31 | 1.74 |
| KODI BEAR | 2012 | KODIAC | 2018 | IRE | 225 | 11 | 2.44 | 21 | 1.17 |
| GUILIANI | 2011 | TERTULLIAN | 2018 | GER | 63 | 3 | 2.38 | 4 | 0.79 |
| HARRY'S HOLIDAY | 2011 | HARLAN'S HOLIDAY | 2018 | IN | 64 | 3 | 2.34 | 5 | 0.98 |
| FIRING LINE | 2012 | LINE OF DAVID | 2018 | KY | 88 | 4 | 2.27 | 9 | 1.28 |
| TAMARANDO | 2011 | BERTRANDO | 2018 | CA | 45 | 2 | 2.22 | 4 | 1.11 |
| MARKING | 2012 | BERNARDINI | 2018 | NM | 91 | 4 | 2.20 | 12 | 1.65 |
| NYQUIST | 2013 | UNCLE MO | 2018 | KY | 346 | 15 | 2.17 | 54 | 1.95 |
| MEHMAS | 2014 | ACCLAMATION | 2018 | IRE | 461 | 19 | 2.06 | 59 | 1.60 |
| PRIDE OF DUBAI | 2012 | STREET CRY | 2018 | AUS | 152 | 6 | 1.97 | 16 | 1.32 |
| ISFAHAN | 2013 | LORD OF ENGLAND | 2018 | GER | 77 | 3 | 1.95 | 6 | 0.97 |
| PROTECTIONIST | 2010 | MONSUN | 2018 | GER | 79 | 3 | 1.90 | 6 | 0.95 |
| DEN'S LEGACY | 2010 | MEDAGLIA D'ORO | 2018 | OK | 82 | 3 | 1.83 | 6 | 0.91 |

TABLE 6. TOP 15 NA/EU F2018 SIRES BY ABC RUNNER INDEX

| SIRE | YR | HIS SIRE | 1 st | ST | Runners | # | Α | # | ABC |
|-----------------|------|------------------|-----------------|------|-----------|-----|-------|-------|-------|
| JIKL | IN | HI3 3IKL | Foals | 31 | Ruillieis | A's | Index | ABC's | Index |
| NOT THIS TIME | 2014 | GIANT'S CAUSEWAY | 2018 | KY | 324 | 20 | 3.09 | 60 | 2.31 |
| NEW BAY | 2012 | DUBAWI | 2018 | IRE | 231 | 16 | 3.46 | 38 | 2.06 |
| NYQUIST | 2013 | UNCLE MO | 2018 | KY | 346 | 15 | 2.17 | 54 | 1.95 |
| LAOBAN | 2013 | UNCLE MO | 2018 | DEAD | 223 | 13 | 2.91 | 31 | 1.74 |
| MARKING | 2012 | BERNARDINI | 2018 | NM | 91 | 4 | 2.20 | 12 | 1.65 |
| MEHMAS | 2014 | ACCLAMATION | 2018 | IRE | 461 | 19 | 2.06 | 59 | 1.60 |
| GOKEN | 2012 | KENDARGENT | 2018 | FR | 153 | 5 | 1.63 | 19 | 1.55 |
| MARTINBOROUGH | 2009 | DEEP IMPACT | 2018 | FR | 81 | 0 | 0.00 | 10 | 1.54 |
| WAR DANCER | 2010 | WAR FRONT | 2018 | NY | 187 | 1 | 0.27 | 22 | 1.47 |
| MAJESTIC HARBOR | 2008 | ROCKPORT HARBOR | 2018 | DEAD | 44 | 1 | 1.14 | 5 | 1.42 |
| COULSTY | 2011 | KODIAC | 2018 | IRE | 65 | 2 | 1.54 | 7 | 1.35 |
| PRIDE OF DUBAI | 2012 | STREET CRY | 2018 | AUS | 152 | 6 | 1.97 | 16 | 1.32 |
| AIR FORCE BLUE | 2013 | WAR FRONT | 2018 | KOR | 269 | 8 | 1.49 | 28 | 1.30 |
| FIRING LINE | 2012 | LINE OF DAVID | 2018 | KY | 88 | 4 | 2.27 | 9 | 1.28 |
| BELARDO | 2012 | LOPE DE VEGA | 2018 | ENG | 227 | 6 | 1.32 | 23 | 1.27 |



Mehmas, 19 A / 59 ABC Runners Photo courtesy Tally Ho Stud



Nyquist, 15 A / 54 ABC Runners Photo courtesy Darley Stallions

TABLE 7. TOP 15 NA/EU F2018 SIRES BY NUMBER OF A RUNNERS

| SIRE | YR | HIS SIRE | 1 st Foals | ST | Runners | # A's | A Index | # ABC's | ABC Index |
|----------------|------|-------------------|--------------------------|------|---------|----------|------------|------------|--------------|
| NOT THIS TIME | 2014 | GIANT'S CAUSEWAY | 2018 | KY | 324 | 20 | 3.09 | 60 | 2.31 |
| MEHMAS | 2014 | ACCLAMATION | 2018 | IRE | 461 | 19 | 2.06 | 59 | 1.60 |
| NEW BAY | 2012 | DUBAWI | 2018 | IRE | 231 | 16 | 3.46 | 38 | 2.06 |
| NYQUIST | 2013 | UNCLE MO | 2018 | KY | 346 | 15 | 2.17 | 54 | 1.95 |
| LAOBAN | 2013 | UNCLE MO | 2018 | DEAD | 223 | 13 | 2.91 | 31 | 1.74 |
| KODI BEAR | 2012 | KODIAC | 2018 | IRE | 225 | 11 | 2.44 | 21 | 1.17 |
| RUNHAPPY | 2012 | SUPER SAVER | 2018 | KY | 299 | 9 | 1.51 | 29 | 1.21 |
| AIR FORCE BLUE | 2013 | WAR FRONT | 2018 | KOR | 269 | 8 | 1.49 | 28 | 1.30 |
| UPSTART | 2012 | FLATTER | 2018 | KY | 277 | 8 | 1.44 | 27 | 1.22 |
| SPEIGHTSTER | 2012 | SPEIGHTSTOWN | 2018 | DEAD | 377 | 8 | 1.06 | 36 | 1.19 |
| TERRITORIES | 2012 | INVINCIBLE SPIRIT | 2018 | ENG | 291 | 7 | 1.20 | 28 | 1.20 |
| FROSTED | 2012 | TAPIT | 2018 | KY | 412 | 7 | 0.85 | 39 | 1.18 |
| PRIDE OF DUBAI | 2012 | STREET CRY | 2018 | AUS | 152 | 6 | 1.97 | 16 | 1.32 |
| VANCOUVER | 2012 | MEDAGLIA D'ORO | 2018 | AUS | 215 | 6 | 1.40 | 19 | 1.10 |
| BELARDO | 2012 | LOPE DE VEGA | 2018 | ENG | 227 | 6 | 1.32 | 23 | 1.27 |
| ADAAY | 2012 | KODIAC | 2018 | ITY | 250 | 6 | 1.20 | 18 | 0.90 |

TABLE 8. TOP 15 NA/EU F2018 SIRES BY NUMBER OF ABC RUNNERS

| SIRE | YR | HIS SIRE | 1 st | ST | Runners | # | Α | # | ABC |
|----------------|---|-------------------|-----------------|------|----------|-----|-------|-------|-------|
| SINE | • | THIS SINE | Foals | 31 | Rainiers | A's | Index | ABC's | Index |
| NOT THIS TIME | 2014 | GIANT'S CAUSEWAY | 2018 | KY | 324 | 20 | 3.09 | 60 | 2.31 |
| MEHMAS | 2014 | ACCLAMATION | 2018 | IRE | 461 | 19 | 2.06 | 59 | 1.60 |
| NYQUIST | 2013 | UNCLE MO | 2018 | KY | 346 | 15 | 2.17 | 54 | 1.95 |
| FROSTED | 2012 | TAPIT | 2018 | KY | 412 | 7 | 0.85 | 39 | 1.18 |
| NEW BAY | 2012 | DUBAWI | 2018 | IRE | 231 | 16 | 3.46 | 38 | 2.06 |
| SPEIGHTSTER | 2012 | SPEIGHTSTOWN | 2018 | DEAD | 377 | 8 | 1.06 | 36 | 1.19 |
| LAOBAN | 2013 | UNCLE MO | 2018 | DEAD | 223 | 13 | 2.91 | 31 | 1.74 |
| RUNHAPPY | 2012 | SUPER SAVER | 2018 | KY | 299 | 9 | 1.51 | 29 | 1.21 |
| AIR FORCE BLUE | 2013 | WAR FRONT | 2018 | KOR | 269 | 8 | 1.49 | 28 | 1.30 |
| TERRITORIES | 2012 | INVINCIBLE SPIRIT | 2018 | ENG | 291 | 7 | 1.20 | 28 | 1.20 |
| UPSTART | 2012 | FLATTER | 2018 | KY | 277 | 8 | 1.44 | 27 | 1.22 |
| BELARDO | 2012 | LOPE DE VEGA | 2018 | ENG | 227 | 6 | 1.32 | 23 | 1.27 |
| WAR DANCER | 2010 | WAR FRONT | 2018 | NY | 187 | 1 | 0.27 | 22 | 1.47 |
| KODI BEAR | 2012 | KODIAC | 2018 | IRE | 225 | 11 | 2.44 | 21 | 1.17 |
| SHALAA | 2013 | INVINCIBLE SPIRIT | 2018 | AUS | 347 | 3 | 0.43 | 21 | 0.76 |
| NOT THIS TIME | 2014 | GIANT'S CAUSEWAY | 2018 | KY | 324 | 20 | 3.09 | 60 | 2.31 |

Click here to view a complete roster of 82 Northern Hemisphere APEX Sires with FFLS 2018



Gun Runner, 4.59 A / 2.55 ABC Index Photo Courtesy Three Chimneys



Zarak, 4.33 A / 2.04 ABC Index Photo Courtesy Aga Khan Stud

TABLE 9. TOP 15 NA/EU F2019 SIRES BY A RUNNER INDEX

| SIRE | YR | HIS SIRE | 1 st Foals | ST | Runners | # A's | A Index | # ABC's | ABC Index |
|------------------|------|-------------------|--------------------------|------|---------|----------|------------|------------|--------------|
| GUN RUNNER | 2013 | CANDY RIDE | 2019 | KY | 196 | 18 | 4.59 | 40 | 2.55 |
| ZARAK | 2013 | DUBAWI | 2019 | FR | 104 | 9 | 4.33 | 17 | 2.04 |
| BIRD SONG | 2013 | UNBRIDLED'S SONG | 2019 | KSA | 25 | 2 | 4.00 | 3 | 1.50 |
| ARROGATE | 2013 | UNBRIDLED'S SONG | 2019 | DEAD | 142 | 8 | 2.82 | 23 | 2.02 |
| THE GREY GATSBY | 2011 | MASTERCRAFTSMAN | 2019 | FR | 77 | 4 | 2.60 | 7 | 1.14 |
| EL DEAL | 2012 | MUNNINGS | 2019 | LA | 43 | 2 | 2.33 | 3 | 0.87 |
| TIME TEST | 2012 | DUBAWI | 2019 | ENG | 114 | 5 | 2.19 | 8 | 0.88 |
| PRACTICAL JOKE | 2014 | INTO MISCHIEF | 2019 | KY | 237 | 10 | 2.11 | 41 | 2.16 |
| NEOLITHIC | 2013 | HARLAN'S HOLIDAY | 2019 | FL | 51 | 2 | 1.96 | 3 | 0.74 |
| DIVINING ROD | 2012 | TAPIT | 2019 | MD | 106 | 4 | 1.89 | 9 | 1.06 |
| CHURCHILL | 2014 | GALILEO | 2019 | IRE | 233 | 8 | 1.72 | 22 | 1.18 |
| COUNTERATTACK | 2012 | REDOUTE'S CHOICE | 2019 | GER | 31 | 1 | 1.61 | 6 | 2.42 |
| NATIONAL DEFENSE | 2014 | INVINCIBLE SPIRIT | 2019 | DEAD | 35 | 1 | 1.43 | 2 | 0.71 |
| COTAI GLORY | 2012 | EXCEED AND EXCEL | 2019 | IRE | 191 | 5 | 1.31 | 13 | 0.85 |
| STRAIGHT FIRE | 2014 | DOMINUS | 2019 | CA | 43 | 1 | 1.16 | 4 | 1.16 |
| PROFITABLE | 2012 | INVINCIBLE SPIRIT | 2019 | IRE | 215 | 5 | 1.16 | 12 | 0.70 |

TABLE 10. TOP 15 NA/EU F2019 SIRES BY ABC RUNNER INDEX

| | | • | | | | | | |
|------|---|---|--|---|---|---|---|---|
| YR | HIS SIRE | 1 st | ST | Runners | # | Α | # | ABC |
| | | Foals | | | A's | Index | ABC's | Index |
| 2013 | CANDY RIDE | 2019 | KY | 196 | 18 | 4.59 | 40 | 2.55 |
| 2012 | REDOUTE'S CHOICE | 2019 | GER | 31 | 1 | 1.61 | 6 | 2.42 |
| 2012 | QUALITY ROAD | 2019 | MD | 45 | 0 | 0.00 | 8 | 2.22 |
| 2014 | INTO MISCHIEF | 2019 | KY | 237 | 10 | 2.11 | 41 | 2.16 |
| 2013 | DUBAWI | 2019 | FR | 104 | 9 | 4.33 | 17 | 2.04 |
| 2013 | UNBRIDLED'S SONG | 2019 | DEAD | 142 | 8 | 2.82 | 23 | 2.02 |
| 2013 | UNBRIDLED'S SONG | 2019 | KSA | 25 | 2 | 4.00 | 3 | 1.50 |
| 2013 | CURLIN | 2019 | KY | 190 | 3 | 0.79 | 21 | 1.38 |
| 2014 | PIONEEROF THE NILE | 2019 | KY | 175 | 4 | 1.14 | 19 | 1.36 |
| 2013 | MEDAGLIA D'ORO | 2019 | AUS | 100 | 2 | 1.00 | 10 | 1.25 |
| 2014 | POUR MOI | 2019 | IRE | 41 | 0 | 0.00 | 4 | 1.22 |
| 2013 | PACO BOY | 2019 | FR | 134 | 3 | 1.12 | 13 | 1.21 |
| 2012 | GHOSTZAPPER | 2019 | ON | 94 | 1 | 0.53 | 9 | 1.20 |
| 2014 | GALILEO | 2019 | IRE | 233 | 8 | 1.72 | 22 | 1.18 |
| 2014 | DOMINUS | 2019 | CA | 43 | 1 | 1.16 | 4 | 1.16 |
| | YR 2013 2012 2014 2013 2013 2013 2014 2013 2014 2013 2014 2013 2014 2013 | | YR HIS SIRE 1st Foals 2013 CANDY RIDE 2019 2012 REDOUTE'S CHOICE 2019 2012 QUALITY ROAD 2019 2014 INTO MISCHIEF 2019 2013 DUBAWI 2019 2013 UNBRIDLED'S SONG 2019 2013 UNBRIDLED'S SONG 2019 2013 CURLIN 2019 2014 PIONEEROF THE NILE 2019 2013 MEDAGLIA D'ORO 2019 2014 POUR MOI 2019 2013 PACO BOY 2019 2012 GHOSTZAPPER 2019 2014 GALILEO 2019 | YR HIS SIRE Foals 2013 CANDY RIDE 2019 KY 2012 REDOUTE'S CHOICE 2019 GER 2012 QUALITY ROAD 2019 MD 2014 INTO MISCHIEF 2019 KY 2013 DUBAWI 2019 FR 2013 UNBRIDLED'S SONG 2019 DEAD 2013 UNBRIDLED'S SONG 2019 KSA 2013 CURLIN 2019 KY 2014 PIONEEROF THE NILE 2019 KY 2013 MEDAGLIA D'ORO 2019 AUS 2014 POUR MOI 2019 IRE 2013 PACO BOY 2019 FR 2012 GHOSTZAPPER 2019 ON 2014 GALILEO 2019 IRE | YR HIS SIRE 1st Foals ST Runners 2013 CANDY RIDE 2019 KY 196 2012 REDOUTE'S CHOICE 2019 GER 31 2012 QUALITY ROAD 2019 MD 45 2014 INTO MISCHIEF 2019 KY 237 2013 DUBAWI 2019 FR 104 2013 UNBRIDLED'S SONG 2019 DEAD 142 2013 UNBRIDLED'S SONG 2019 KSA 25 2013 CURLIN 2019 KY 190 2014 PIONEEROF THE NILE 2019 KY 175 2013 MEDAGLIA D'ORO 2019 AUS 100 2014 POUR MOI 2019 IRE 41 2013 PACO BOY 2019 FR 134 2012 GHOSTZAPPER 2019 ON 94 2014 GALILEO 2019 IRE 233 | YR HIS SIRE 1st Foals ST Runners # A's 2013 CANDY RIDE 2019 KY 196 18 2012 REDOUTE'S CHOICE 2019 GER 31 1 2012 QUALITY ROAD 2019 MD 45 0 2014 INTO MISCHIEF 2019 KY 237 10 2013 DUBAWI 2019 FR 104 9 2013 UNBRIDLED'S SONG 2019 DEAD 142 8 2013 UNBRIDLED'S SONG 2019 KSA 25 2 2013 CURLIN 2019 KY 190 3 2014 PIONEEROF THE NILE 2019 KY 175 4 2013 MEDAGLIA D'ORO 2019 AUS 100 2 2014 POUR MOI 2019 IRE 41 0 2013 PACO BOY 2019 FR 134 3 2012 GHOSTZAPPER 2019 ON 94 1 2014 GALILEO 2019 IRE 233 8 | YR HIS SIRE 1st Foals ST Runners # A A's Index 2013 CANDY RIDE 2019 KY 196 18 4.59 2012 REDOUTE'S CHOICE 2019 GER 31 1 1.61 2012 QUALITY ROAD 2019 MD 45 0 0.00 2014 INTO MISCHIEF 2019 KY 237 10 2.11 2013 DUBAWI 2019 FR 104 9 4.33 2013 UNBRIDLED'S SONG 2019 DEAD 142 8 2.82 2013 UNBRIDLED'S SONG 2019 KSA 25 2 4.00 2013 CURLIN 2019 KY 190 3 0.79 2014 PIONEEROF THE NILE 2019 KY 175 4 1.14 2013 MEDAGLIA D'ORO 2019 AUS 100 2 1.00 2014 POUR MOI 2019 FR 134 3 1.12 2012 GHOSTZAPPER 2019 ON 94 1 0.53 | YR HIS SIRE 1st Foals ST Runners # Ars Index AbC's ABC's 2013 CANDY RIDE 2019 KY 196 18 4.59 40 2012 REDOUTE'S CHOICE 2019 GER 31 1 1.61 6 2012 QUALITY ROAD 2019 MD 45 0 0.00 8 2014 INTO MISCHIEF 2019 KY 237 10 2.11 41 2013 DUBAWI 2019 FR 104 9 4.33 17 2013 UNBRIDLED'S SONG 2019 DEAD 142 8 2.82 23 2013 UNBRIDLED'S SONG 2019 KSA 25 2 4.00 3 2013 CURLIN 2019 KY 190 3 0.79 21 2014 PIONEEROF THE NILE 2019 KY 175 4 1.14 19 2013 MEDAGLIA D'ORO 2019 AUS 100 2 1.00 10 2014 POUR MOI 2019 FR </td |



Practical Joke, 10 A / 41 ABC Runners Photo courtesy Coolmore Ashford



Arrogate, 8 A / 23 ABC Runners Photo courtesy Juddmonte

TABLE 11. TOP 15 F2019 NA/EU SIRES BY NUMBER OF A RUNNERS

| SIRE | YR | HIS SIRE | 1 st Foals | ST | Runners | # A's | A Index | # ABC's | ABC Index |
|-----------------|------|--------------------|--------------------------|------|---------|----------|------------|------------|--------------|
| GUN RUNNER | 2013 | CANDY RIDE | 2019 | KY | 196 | 18 | 4.59 | 40 | 2.55 |
| PRACTICAL JOKE | 2014 | INTO MISCHIEF | 2019 | KY | 237 | 10 | 2.11 | 41 | 2.16 |
| ZARAK | 2013 | DUBAWI | 2019 | FR | 104 | 9 | 4.33 | 17 | 2.04 |
| ARROGATE | 2013 | UNBRIDLED'S SONG | 2019 | DEAD | 142 | 8 | 2.82 | 23 | 2.02 |
| CHURCHILL | 2014 | GALILEO | 2019 | IRE | 233 | 8 | 1.72 | 22 | 1.18 |
| TIME TEST | 2012 | DUBAWI | 2019 | ENG | 114 | 5 | 2.19 | 8 | 0.88 |
| COTAI GLORY | 2012 | EXCEED AND EXCEL | 2019 | IRE | 191 | 5 | 1.31 | 13 | 0.85 |
| PROFITABLE | 2012 | INVINCIBLE SPIRIT | 2019 | IRE | 215 | 5 | 1.16 | 12 | 0.70 |
| THE GREY GATSBY | 2011 | MASTERCRAFTSMAN | 2019 | FR | 77 | 4 | 2.60 | 7 | 1.14 |
| DIVINING ROD | 2012 | TAPIT | 2019 | MD | 106 | 4 | 1.89 | 9 | 1.06 |
| CLASSIC EMPIRE | 2014 | PIONEEROF THE NILE | 2019 | KY | 175 | 4 | 1.14 | 19 | 1.36 |
| CUPID | 2013 | TAPIT | 2019 | KY | 175 | 4 | 1.14 | 16 | 1.14 |
| GALILEO GOLD | 2013 | PACO BOY | 2019 | FR | 134 | 3 | 1.12 | 13 | 1.21 |
| ALMANZOR | 2013 | WOOTTON BASSETT | 2019 | FR | 145 | 3 | 1.03 | 11 | 0.95 |
| ARDAD | 2014 | KODIAC | 2019 | ENG | 148 | 3 | 1.01 | 9 | 0.76 |
| RIBCHESTER | 2013 | IFFRAAJ | 2019 | FR | 169 | 3 | 0.89 | 9 | 0.67 |
| CONNECT | 2013 | CURLIN | 2019 | KY | 190 | 3 | 0.79 | 21 | 1.38 |
| KLIMT | 2014 | QUALITY ROAD | 2019 | TUR | 203 | 3 | 0.74 | 9 | 0.55 |

TABLE 12. TOP 15 F2019 NA/EU SIRES BY NUMBER OF ABC RUNNERS

| SIRE | YR | HIS SIRE | 1 st Foals | ST | Runners | # A's | A Index | # ABC's | ABC Index |
|----------------|------|--------------------|--------------------------|------|---------|----------|------------|------------|--------------|
| PRACTICAL JOKE | 2014 | INTO MISCHIEF | 2019 | KY | 237 | 10 | 2.11 | 41 | 2.16 |
| GUN RUNNER | 2013 | CANDY RIDE | 2019 | KY | 196 | 18 | 4.59 | 40 | 2.55 |
| ARROGATE | 2013 | UNBRIDLED'S SONG | 2019 | DEAD | 142 | 8 | 2.82 | 23 | 2.02 |
| CHURCHILL | 2014 | GALILEO | 2019 | IRE | 233 | 8 | 1.72 | 22 | 1.18 |
| CONNECT | 2013 | CURLIN | 2019 | KY | 190 | 3 | 0.79 | 21 | 1.38 |
| CLASSIC EMPIRE | 2014 | PIONEEROF THE NILE | 2019 | KY | 175 | 4 | 1.14 | 19 | 1.36 |
| ZARAK | 2013 | DUBAWI | 2019 | FR | 104 | 9 | 4.33 | 17 | 2.04 |
| CUPID | 2013 | TAPIT | 2019 | KY | 175 | 4 | 1.14 | 16 | 1.14 |
| COTAI GLORY | 2012 | EXCEED AND EXCEL | 2019 | IRE | 191 | 5 | 1.31 | 13 | 0.85 |
| GALILEO GOLD | 2013 | PACO BOY | 2019 | FR | 134 | 3 | 1.12 | 13 | 1.21 |
| KEEN ICE | 2012 | CURLIN | 2019 | KY | 178 | 1 | 0.28 | 13 | 0.91 |
| PROFITABLE | 2012 | INVINCIBLE SPIRIT | 2019 | IRE | 215 | 5 | 1.16 | 12 | 0.70 |
| ALMANZOR | 2013 | WOOTTON BASSETT | 2019 | FR | 145 | 3 | 1.03 | 11 | 0.95 |
| LORD NELSON | 2012 | PULPIT | 2019 | DEAD | 123 | 1 | 0.41 | 11 | 1.12 |
| ASTERN | 2013 | MEDAGLIA D'ORO | 2019 | AUS | 100 | 2 | 1.00 | 10 | 1.25 |
| GORMLEY | 2014 | MALIBU MOON | 2019 | KY | 162 | 2 | 0.62 | 10 | 0.77 |

Click here to view a complete roster of 76 Northern Hemisphere APEX Sires with FFLS 2019

EU SIRES IN NORTH AMERICA 34 EUROPEAN SIRES WITH 30+ YEAR-STARTERS 2016-2022

| SIRE | FFLS | ST | NA RNRS | NA A RNR | NA A INDEX | TOT A INDEX |
|--------------------|------|------|------------|-------------|------------------|-------------------|
| ACCLAMATION | 2005 | IRE | 51 | 4 | 3.42 | 1.57 |
| AUSTRALIA | 2016 | IRE | 31 | 4 | 6.45 | 2.41 |
| BATED BREATH | 2014 | ENG | 59 | 10 | 8.47 | 1.60 |
| CAMELOT | 2015 | IRE | 31 | 5 | 8.06 | 2.41 |
| DANDY MAN | 2011 | IRE | 42 | 4 | 4.76 | 0.66 |
| DARK ANGEL | 2009 | IRE | 73 | 13 | 8.90 | 1.97 |
| DREAM AHEAD | 2013 | ENG | 30 | 1 | 1.67 | 1.34 |
| DUBAWI | 2007 | ENG | 94 | 29 | 15.43 | 5.49 |
| EQUIANO | 2012 | IRE | 35 | 5 | 7.14 | 0.74 |
| EXCEED AND EXCEL | 2006 | AUS | 40 | 1 | 1.25 | 1.33 |
| FASTNET ROCK | 2006 | AUS | 74 | 6 | 4.05 | 2.24 |
| FOOTSTEPSINTHESAND | 2007 | IRE | 31 | 5 | 8.06 | 1.34 |
| FRANKEL | 2014 | ENG | 78 | 14 | 8.97 | 4.74 |
| GALILEO | 2003 | DEAD | 151 | 28 | 9.27 | 6.16 |
| HOLY ROMAN EMPEROR | 2008 | IRE | 67 | 6 | 4.48 | 0.92 |
| IFFRAAJ | 2008 | ENG | 34 | 4 | 5.88 | 0.93 |
| INVINCIBLE SPIRIT | 2004 | IRE | 52 | 2 | 1.92 | 1.98 |
| KENDARGENT | 2009 | FR | 30 | 1 | 1.67 | 1.10 |
| KINGMAN | 2016 | ENG | 68 | 10 | 7.35 | 2.31 |
| KODIAC | 2007 | IRE | 124 | 5 | 2.02 | 1.16 |
| LOPE DE VEGA | 2012 | IRE | 107 | 9 | 4.21 | 2.33 |
| MASTERCRAFTSMAN | 2011 | DEAD | 35 | 5 | 7.14 | 1.36 |
| MEHMAS | 2018 | IRE | 31 | 3 | 4.84 | 2.06 |
| NEW APPROACH | 2010 | ENG | 32 | 2 | 3.13 | 1.83 |
| NO NAY NEVER | 2016 | IRE | 104 | 4 | 1.92 | 2.08 |
| OASIS DREAM | 2005 | ENG | 63 | 4 | 3.17 | 1.03 |
| RAVEN'S PASS | 2010 | IRE | 32 | 3 | 4.29 | 0.36 |
| SEA THE STARS | 2011 | IRE | 46 | 1 | 1.09 | 3.43 |
| SHAMARDAL | 2007 | DEAD | 32 | 2 | 3.13 | 2.85 |
| SHOWCASING | 2012 | ENG | 40 | 5 | 6.25 | 1.54 |
| SIYOUNI | 2012 | FR | 69 | 9 | 6.52 | 2.06 |
| STARSPANGLEDBANNER | 2012 | IRE | 32 | 3 | 4.09 | 1.64 |
| WOOTTON BASSETT | 2013 | IRE | 35 | 6 | 8.57 | 2.73 |
| ZOFFANY | 2013 | DEAD | 90 | 5 | 2.78 | 1.53 |

We're all aware that the progeny of European sires do very well in US turf racing in particular, and here's some statistical evidence to support that impression. These are the comparable A Runner indexes for 34 European sires with 30+ year-starters in North America 2016-2022. Yes this is a highly selective group but it's all true: 30 of the 34 sires have North American A Runner indexes higher – often a lot higher - than their overall A Runner Indexes; three are just marginally below, and only one – Sea The Stars – has a significantly lower A Index in North America than his overall (mostly European) index. Eleven of these sires have North American A Indexes of 7.00+ headed by Dubawi (15.43). He's had 29 A Runners in North America since 2016, Galileo 28.

SECTION 2: 2022 APEX RUNNERS NOTHERN HEMISPHERE



Into Mischief, 73 ABC Runners in 2022 Photo courtesy Spendthrift



Dubawi, 31 A Runners in 2022 Photo courtesy Darley

INTO MISCHIEF, DUBAWI TOP NA-EU SIRES BY 2022 ABC, A RUNNERS

The overall APEX counts of A Runners and ABC Runners which we run elsewhere in this issue (see pp. 1-13) cover the entire seven-year period 2016-2022 (and are therefore career totals for all sires F2014, whose first 2yo's raced in 2016, and later). But also of intense interest are the statistics for the 2022 year alone, which tells us more who's hot right now. This section covers that data.

There were 289 NA-EU sires with 5+ ABC Runners in 2022. Here follow nine tables highlighting the leaders among each group covered, as well as click-throughs to all 289 NA-EU sires, plus 81 Japanese sires with 5+ 2022 ABC Runners. Here is what's in each of the tables:

- (1) 52 NA-EU Sires with 20+ 2022 ABC Runners: Into Mischief (73) and Dubawi (64) are out on their own on this list. Though seven of the top ten on this list stand or stood in Europe, of the 21 sires with 30+ 2022 ABC Runners, 12 are American, 9 European. From Europe: Dubawi (64), Frankel (49), Dark Angel (47), Lope De Vega (44), Kodiac (43), Kingman and Siyouni (37 each), Sea The Stars (32), and Galileo (31). From the US (all Kentucky): Into Mischief (73), Curlin (45), Uncle Mo (42), Quality Road and Tapit (36 each), Munnings and American Pharoah (34 each), Constitution and Pioneerof The Nile (33 each), F2018 Not This Time (32), and F2019's Gun Runner and Practical Joke (31 each). These are the sires of 'Saturday horses', as our friends at Denali call them.
- (2) 43 NA-EU Sires with 7+ 2022 A Runners: Here Dubawi (31) edges out Into Mischief (30), followed by Frankel (25) and Curlin (23), among 16 sires with 10+ 2022 A Runners. These are split half and half between NA and EU, eight each. From Europe: Dubawi (31), Frankel (25), Dark Angel (19), Lope De Vega (17), Sea The Stars (16), Kingman (15), Galileo (14), and Siyouni (12). From Kentucky: Into Mischief (30), Curlin (23), Uncle Mo (16), Constitution (15), and Munnings, Pioneerof The Nile, Not This Time, and Gun Runner (14 each). These are the sires of the winners of Saturday races.
- (3) 13 F2020 Sires with 5+ ABC Runners in Their First Crops 2022: Top European Freshman Sire Havana Grey sired 11 ABC Runners to lead the pack, with top American freshman sires #1 Bolt D'Oro and #3 Justify with 10 ABC Runners each. The surprising (unbeaten, but only ran three times and is by a minor Maryland son of A.P. Indy, Friesan Fire) Army Mule was next with eight, followed by US #2 Good Magic and EU #2 Sioux Nation, with six each. Justify (5) had the most A Runners, followed by Havana Grey, Good Magic, and new Kentucky sire Girvin (from Florida)(four each), and Bolt D'Oro, Sioux Nation, and turf sire Oscar Performance (Kitten's Joy's best US colt), with three 2022 A Runners each from their first crops.

- (4) 15 F2019 Sires with 8+ 2022 ABC Runners: Practical Joke jumped up to tie the mighty Gun Runner with 31 ABC Runners each, though Gun Runner had twice as many 2022 A Runners, 14 to seven. Arrogate also had seven A Runners and was third by ABC Runners, with 21. Connect had 17 ABC Runners, while Churchill (16) was the top European F2019 sire, ahead of Zarak and Americans Cupid and Classic Empire, all with 13 ABC Runners in 2022. Churchill and Zarak had six A Runners each.
- (5) 15 F2018 Sires with 10+ 2022 ABC Runners: Fifteen sires with first foals 2018 (1st 4yo's 2022) had 10+ ABC Runners last year, headed by Americans Not This Time (32) and Nyquist (26) and Europeans Mehmas (24) and New Bay (22). Speightster (20), who was sold to Ontario but died before covering a mare up there and Frosted (19) came next. Not This Time was far and away the leading F2018 sire of 2022 A Runners with 14. Nyquist (8) came next, followed by New Bay (7), Mehmas (6), and Kentucky sire Upstart (6).
- (6) 18 F2017 Sires with 10+ ABC Runners: Among sires with their first 5yo's in 2022, crop leaders American Pharoah (34) and Constitution (33) were well ahead of their contemporaries, headed by Americans Liam's Map (21), Honor Code (20), and Tonalist (17) all Lane's End stallions and Europeans Night Of Thunder (19) and Muhaarar (19), whose move to France has coincided with him finally achieving commercial respect. Constitution was way ahead by 2022 A Runners with 15, followed by American Pharoah and Night of Thunder with eight each and Muhaarar with six.
- (7) 12 F2016 Sires with 10+ ABC Runners: Kingman was way out on his own with 37 ABC Runners, including 15 A Runners. American Cairo Prince (21) was second by ABC Runners but No Nay Never (20) had nine A Runners to rank second in that category. Leading New York sire Central Banker had seven 2022 A Runners, ahead of Cairo Prince and Australia, with six each.
- (8) **32 Sires with 5+ 2yo ABC Runners:** of which 12 had as many as eight or more 2yo ABC's in 2022, including four Freshman Sires: European #1 **Havana Grey** (11) and American #1 **Bolt D'Oro**, #3 **Justify** (10 each) and #4 **Army Mule** (8). Overall leader was perennial leading 2yo sire Kodiac (12). **Into Mischief** and Havana Grey had 11 each; F2019 **Practical Joke** and **No Nay Never**, and F2018 **Frosted** each had 10 ABC 2yo's. Europeans **Dubawi**, **Dark Angel**, and **Showcasing** had eight each along with Army Mule.
- (9) **36 Sires with 10+ 3yo ABC Runners:** This is a key metric as the 3yo year is the most important for identifying class. **Dubawi** and **Gun Runner**, with his first crop just 3yo's, were the leaders with 26 ABC 3yo's each in 2022. **Frankel** had 25, **Into Mischief** 23 and **Practical Joke**, with his first crop also just 3yo's, had 21 ABC 3yo runners last year. **Uncle Mo, Lope De Vega, Siyouni**, and another sire with his first 3yo's, **Arrogate**, had 18 each. **Kodiac** and **Galileo**, whose age finally started to catch up to him in 2022, each had 17.

Click here to view a complete roster of 289 NA-EU SIRES WITH 5+ ABC RUNNERS 2022

Click here to view a complete roster of 81 JPN SIRES WITH 5+ ABC RUNNERS 2022

TABLE 1. 52 NA-EU SIRES WITH 20+ ABC RUNNERS 2022

| SIRE | FFLS | LOC | ST | Α | В | С | ABC | 2YO | зуо | 4YO | 5YO+ |
|--------------------|------|-----|------|----|----|---------|-----|-----|-----|------------|------|
| INTO MISCHIEF | 2010 | NA | KY | 30 | 18 | 25 | 73 | 11 | 23 | 25 | 14 |
| DUBAWI | 2007 | EU | ENG | 31 | 10 | 23 | 64 | 8 | 26 | 20 | 10 |
| FRANKEL | 2014 | EU | ENG | 25 | 9 | 15 | 49 | 4 | 25 | 13 | 7 |
| DARK ANGEL | 2009 | EU | IRE | 19 | 10 | 18 | 47 | 8 | 14 | 12 | 13 |
| CURLIN | 2010 | NA | KY | 23 | 5 | 17 | 45 | 3 | 11 | 17 | 14 |
| LOPE DE VEGA | 2012 | EU | IRE | 17 | 11 | 16 | 44 | 4 | 18 | 11 | 11 |
| KODIAC | 2008 | EU | IRE | 8 | 13 | 22 | 43 | 12 | 17 | 9 | 5 |
| UNCLE MO | 2013 | NA | KY | 16 | 8 | 18 | 42 | 4 | 18 | 8 | 12 |
| KINGMAN | 2016 | EU | ENG | 15 | 11 | 11 | 37 | 6 | 8 | 12 | 11 |
| SIYOUNI | 2012 | EU | FR | 12 | 11 | 14 | 37 | 4 | 18 | 3 | 12 |
| QUALITY ROAD | 2012 | NA | KY | 9 | 12 | 15 | 36 | 6 | 10 | 13 | 7 |
| TAPIT | 2006 | NA | KY | 8 | 11 | 17 | 36 | 3 | 15 | 11 | 7 |
| MUNNINGS | 2012 | NA | KY | 14 | 7 | 13 | 34 | 5 | 10 | 9 | 10 |
| AMERICAN PHAROAH | 2017 | NA | KY | 8 | 6 | 20 | 34 | 3 | 8 | 11 | 12 |
| CONSTITUTION | 2017 | NA | KY | 15 | 3 | 15 | 33 | 3 | 12 | 9 | 9 |
| PIONEEROF THE NILE | 2011 | NA | DEAD | 14 | 7 | 12 | 33 | 2 | 13 | 10 | 8 |
| SEA THE STARS | 2011 | EU | IRE | 16 | 1 | 15 | 32 | 1 | 13 | 12 | 6 |
| NOT THIS TIME | 2018 | NA | KY | 14 | 10 | 8 | 32 | 1 | 15 | 16 | 0 |
| GUN RUNNER | 2019 | NA | KY | 14 | 8 | 9 | 31 | 5 | 26 | 0 | 0 |
| GALILEO | 2003 | EU | DEAD | 14 | 3 | 14 | 31 | 3 | 17 | 7 | 4 |
| PRACTICAL JOKE | 2019 | NA | KY | 7 | 2 | 22 | 31 | 10 | 21 | 0 | 0 |
| HARD SPUN | 2009 | NA | KY | 7 | 11 | 11 | 29 | 2 | 9 | 8 | 10 |
| STREET SENSE | 2009 | NA | KY | 9 | 10 | 9 | 28 | 3 | 8 | 7 | 10 |
| MACLEAN'S MUSIC | 2014 | NA | KY | 6 | 6 | 15 | 27 | 2 | 14 | | 4 |
| NYQUIST | 2018 | NA | KY | 8 | 5 | 13 | 26 | 6 | 10 | 10 | 0 |
| TWIRLING CANDY | 2013 | NA | KY | 7 | 4 | 15 | 26 | 2 | 10 | 8 | 6 |
| WAR FRONT | 2008 | NA | KY | 8 | 6 | 11 | 25 | 2 | 10 | 6 | 7 |
| ZOFFANY | 2013 | EU | DEAD | 7 | 7 | 11 | 25 | 1 | 7 | 8 | 9 |
| SPEIGHTSTOWN | 2006 | NA | KY | 7 | 4 | 14 | 25 | 4 | 6 | 8 | 7 |
| CANDY RIDE | 2006 | NA | KY | 5 | 8 | 12 | 25 | 5 | 8 | 7 | 5 |
| ENGLISH CHANNEL | 2009 | NA | DEAD | 7 | 9 | 8 | 24 | 2 | 3 | 3 | 16 |
| GHOSTZAPPER | 2007 | NA | KY | 7 | 8 | 9 | 24 | 2 | 5 | 6 | 11 |
| MORE THAN READY | 2002 | NA | DEAD | 7 | 6 | 11 | 24 | 2 | 14 | 3 | 5 |
| MEHMAS | 2018 | EU | IRE | 6 | 4 | 14 | 24 | 4 | 8 | 12 | 0 |
| EXCEED AND EXCEL | 2006 | EU | AUS | 6 | 6 | 12 | 24 | 2 | 6 | 7 | 9 |
| MALIBU MOON | 2001 | NA | DEAD | 3 | 7 | 14 | 24 | 2 | 6 | 8 | 8 |
| UNION RAGS | 2014 | NA | KY | 6 | 6 | 11 | 23 | 4 | 7 | 8 | 4 |
| KITTEN'S JOY | 2007 | NA | DEAD | 5 | 7 | 11 | 23 | 1 | 10 | 3 | 9 |
| VIOLENCE | 2015 | NA | KY | 4 | 7 | 12 | 23 | 5 | 9 | 5 | 4 |
| NEW BAY | 2018 | EU | IRE | 7 | 5 | 10 | 22 | 3 | 9 | 10 | 0 |
| MIDSHIPMAN | 2012 | NA | KY | 7 | 3 | 12 | 22 | 4 | 9 | 4 | 5 |
| ARROGATE | 2019 | NA | DEAD | 7 | 5 | 9 | 21 | 3 | 18 | 0 | 0 |
| SHOWCASING | 2012 | EU | ENG | 7 | 2 | 12 | 21 | 8 | 4 | 3 | 6 |
| MEDAGLIA D'ORO | 2006 | NA | KY | 7 | 2 | 12 | 21 | 2 | 12 | 4 | 3 |
| CAIRO PRINCE | 2016 | NA | KY | 6 | 1 | 14 | 21 | 3 | 10 | <u>·</u> 5 | 3 |
| LIAM'S MAP | 2017 | NA | KY | 3 | 11 | 7 | 21 | 0 | 7 | 8 | 6 |
| KANTHAROS | 2012 | NA | KY | 2 | 4 | 15 | 21 | 3 | 6 | 7 | 5 |
| NO NAY NEVER | 2016 | EU | IRE | 9 | 2 | 9 | 20 | 10 | 5 | 4 | 1 |
| CAMELOT | 2015 | EU | IRE | 9 | 4 | 7 | 20 | 2 | 6 | 6 | 6 |
| INVINCIBLE SPIRIT | 2004 | EU | IRE | 7 | 4 | 9 | 20 | 2 | 3 | 6 | 9 |
| SPEIGHTSTER | 2018 | NA | DEAD | 4 | 11 | <u></u> | 20 | 3 | 11 | 6 | 0 |
| HONOR CODE | 2017 | NA | KY | 3 | 5 | 12 | 20 | 5 | 6 | 6 | 3 |
| | | • | | | | | | | - | | - |

TABLE 2. 43 NA-EU SIRES WITH 7+ A RUNNERS 2022

| SIRE | FFLS | LOC | ST | Α | В | С | ABC | 2YO | зуо | 4YO | 5YO+ |
|--------------------|------|-----|------|----|----|----|-----|-----|-----|-----|------|
| DUBAWI | 2007 | EU | ENG | 31 | 10 | 23 | 64 | 8 | 26 | 20 | 10 |
| INTO MISCHIEF | 2010 | NA | KY | 30 | 18 | 25 | 73 | 11 | 23 | 25 | 14 |
| FRANKEL | 2014 | EU | ENG | 25 | 9 | 15 | 49 | 4 | 25 | 13 | 7 |
| CURLIN | 2010 | NA | KY | 23 | 5 | 17 | 45 | 3 | 11 | 17 | 14 |
| DARK ANGEL | 2009 | EU | IRE | 19 | 10 | 18 | 47 | 8 | 14 | 12 | 13 |
| LOPE DE VEGA | 2012 | EU | IRE | 17 | 11 | 16 | 44 | 4 | 18 | 11 | 11 |
| UNCLE MO | 2013 | NA | KY | 16 | 8 | 18 | 42 | 4 | 18 | 8 | 12 |
| SEA THE STARS | 2011 | EU | IRE | 16 | 1 | 15 | 32 | 1 | 13 | 12 | 6 |
| KINGMAN | 2016 | EU | ENG | 15 | 11 | 11 | 37 | 6 | 8 | 12 | 11 |
| CONSTITUTION | 2017 | NA | KY | 15 | 3 | 15 | 33 | 3 | 12 | 9 | 9 |
| MUNNINGS | 2012 | NA | KY | 14 | 7 | 13 | 34 | 5 | 10 | 9 | 10 |
| PIONEEROF THE NILE | 2011 | NA | DEAD | 14 | 7 | 12 | 33 | 2 | 13 | 10 | 8 |
| NOT THIS TIME | 2018 | NA | KY | 14 | 10 | 8 | 32 | 1 | 15 | 16 | 0 |
| GUN RUNNER | 2019 | NA | KY | 14 | 8 | 9 | 31 | 5 | 26 | 0 | 0 |
| GALILEO | 2003 | EU | DEAD | 14 | 3 | 14 | 31 | 3 | 17 | 7 | 4 |
| SIYOUNI | 2012 | EU | FR | 12 | 11 | 14 | 37 | 4 | 18 | 3 | 12 |
| QUALITY ROAD | 2012 | NA | KY | 9 | 12 | 15 | 36 | 6 | 10 | 13 | 7 |
| STREET SENSE | 2009 | NA | KY | 9 | 10 | 9 | 28 | 3 | 8 | 7 | 10 |
| NO NAY NEVER | 2016 | EU | IRE | 9 | 2 | 9 | 20 | 10 | 5 | 4 | 1 |
| CAMELOT | 2015 | EU | IRE | 9 | 4 | 7 | 20 | 2 | 6 | 6 | 6 |
| ADLERFLUG | 2011 | EU | DEAD | 9 | 2 | 3 | 14 | 0 | 7 | 6 | 1 |
| KODIAC | 2008 | EU | IRE | 8 | 13 | 22 | 43 | 12 | 17 | 9 | 5 |
| TAPIT | 2006 | NA | KY | 8 | 11 | 17 | 36 | 3 | 15 | 11 | 7 |
| AMERICAN PHAROAH | 2017 | NA | KY | 8 | 6 | 20 | 34 | 3 | 8 | 11 | 12 |
| NYQUIST | 2018 | NA | KY | 8 | 5 | 13 | 26 | 6 | 10 | 10 | 0 |
| WAR FRONT | 2008 | NA | KY | 8 | 6 | 11 | 25 | 2 | 10 | 6 | 7 |
| NIGHT OF THUNDER | 2017 | EU | IRE | 8 | 4 | 7 | 19 | 2 | 7 | 4 | 6 |
| PRACTICAL JOKE | 2019 | NA | KY | 7 | 2 | 22 | 31 | 10 | 21 | 0 | 0 |
| HARD SPUN | 2009 | NA | KY | 7 | 11 | 11 | 29 | 2 | 9 | 8 | 10 |
| TWIRLING CANDY | 2013 | NA | KY | 7 | 4 | 15 | 26 | 2 | 10 | 8 | 6 |
| ZOFFANY | 2013 | EU | DEAD | 7 | 7 | 11 | 25 | 1 | 7 | 8 | 9 |
| SPEIGHTSTOWN | 2006 | NA | KY | 7 | 4 | 14 | 25 | 4 | 6 | 8 | 7 |
| ENGLISH CHANNEL | 2009 | NA | DEAD | 7 | 9 | 8 | 24 | 2 | 3 | 3 | 16 |
| GHOSTZAPPER | 2007 | NA | KY | 7 | 8 | 9 | 24 | 2 | 5 | 6 | 11 |
| MORE THAN READY | 2002 | NA | DEAD | 7 | 6 | 11 | 24 | 2 | 14 | 3 | 5 |
| NEW BAY | 2018 | EU | IRE | 7 | 5 | 10 | 22 | 3 | 9 | 10 | 0 |
| MIDSHIPMAN | 2012 | NA | KY | 7 | 3 | 12 | 22 | 4 | 9 | 4 | 5 |
| ARROGATE | 2019 | NA | DEAD | 7 | 5 | 9 | 21 | 3 | 18 | 0 | 0 |
| SHOWCASING | 2012 | EU | ENG | 7 | 2 | 12 | 21 | 8 | 4 | 3 | 6 |
| MEDAGLIA D'ORO | 2006 | NA | KY | 7 | 2 | 12 | 21 | 2 | 12 | 4 | 3 |
| INVINCIBLE SPIRIT | 2004 | EU | IRE | 7 | 4 | 9 | 20 | 2 | 3 | 6 | 9 |
| TEOFILO | 2009 | EU | IRE | 7 | 4 | 6 | 17 | 1 | 6 | 3 | 7 |
| CENTRAL BANKER | 2016 | NA | NY | 7 | 2 | 6 | 15 | 1 | 6 | 1 | 7 |

TABLE 3. 13 NA-EU F2020 SIRES WITH 5+ ABC RUNNERS 2022

| SIRE | FFLS | LOC | ST | Α | В | С | ABC | 2YO |
|-------------------|------|-----|-----|---|---|---|-----|-----|
| HAVANA GREY | 2020 | EU | ENG | 4 | 2 | 5 | 11 | 11 |
| JUSTIFY | 2020 | NA | KY | 5 | 2 | 3 | 10 | 10 |
| BOLT D'ORO | 2020 | NA | KY | 3 | | 7 | 10 | 10 |
| ARMY MULE | 2020 | NA | KY | 1 | 1 | 6 | 8 | 8 |
| GOOD MAGIC | 2020 | NA | KY | 4 | 1 | 1 | 6 | 6 |
| SIOUX NATION | 2020 | EU | IRE | 3 | 2 | 1 | 6 | 6 |
| GIRVIN | 2020 | NA | KY | 4 | | 1 | 5 | 5 |
| SAXON WARRIOR | 2020 | EU | IRE | 4 | | 1 | 5 | 5 |
| OSCAR PERFORMANCE | 2020 | NA | KY | 3 | | 2 | 5 | 5 |
| SHARP AZTECA | 2020 | NA | KY | 2 | 2 | 1 | 5 | 5 |
| CITY OF LIGHT | 2020 | NA | KY | 1 | 2 | 2 | 5 | 5 |
| MENDELSSOHN | 2020 | NA | KY | 1 | 2 | 2 | 5 | 5 |
| MO TOWN | 2020 | NA | KY | 1 | 1 | 3 | 5 | 5 |

TABLE 4. 15 NA-EU F2019 SIRES WITH 8+ ABC RUNNERS 2022

| SIRE | FFLS | LOC | ST | Α | В | С | ABC | 2YO | зуо |
|----------------|------|-----|------|----|---|----|-----|-----|-----|
| GUN RUNNER | 2019 | NA | KY | 14 | 8 | 9 | 31 | 5 | 26 |
| PRACTICAL JOKE | 2019 | NA | KY | 7 | 2 | 22 | 31 | 10 | 21 |
| ARROGATE | 2019 | NA | DEAD | 7 | 5 | 9 | 21 | 3 | 18 |
| CONNECT | 2019 | NA | KY | 1 | 6 | 10 | 17 | 4 | 13 |
| CHURCHILL | 2019 | EU | IRE | 6 | 1 | 9 | 16 | 3 | 13 |
| ZARAK | 2019 | EU | FR | 6 | 2 | 5 | 13 | 1 | 12 |
| CUPID | 2019 | NA | KY | 3 | 5 | 5 | 13 | 0 | 13 |
| CLASSIC EMPIRE | 2019 | NA | KY | 2 | 4 | 7 | 13 | 3 | 10 |
| ALMANZOR | 2019 | EU | FR | 3 | 3 | 5 | 11 | 3 | 8 |
| KEEN ICE | 2019 | NA | KY | 1 | 3 | 7 | 11 | 0 | 11 |
| LORD NELSON | 2019 | NA | DEAD | 1 | 2 | 7 | 10 | 3 | 7 |
| MIDNIGHT STORM | 2019 | NA | CA | 2 | | 6 | 8 | 1 | 7 |
| ACLAIM | 2019 | EU | ENG | 1 | | 7 | 8 | 0 | 8 |
| ASTERN | 2019 | NA | AUS | 1 | 2 | 5 | 8 | 2 | 6 |
| BLOFELD | 2019 | NA | MD | | 4 | 4 | 8 | 2 | 6 |

TABLE 5. 15 NA-EU F2018 SIRES WITH 10+ ABC RUNNERS 2022

| SIRE | FFLS | LOC | ST | Α | В | С | ABC | 2YO | зуо | 4YO |
|----------------|------|-----|------|----|----|----|-----|-----|-----|-----|
| NOT THIS TIME | 2018 | NA | KY | 14 | 10 | 8 | 32 | 1 | 15 | 16 |
| NYQUIST | 2018 | NA | KY | 8 | 5 | 13 | 26 | 6 | 10 | 10 |
| MEHMAS | 2018 | EU | IRE | 6 | 4 | 14 | 24 | 4 | 8 | 12 |
| NEW BAY | 2018 | EU | IRE | 7 | 5 | 10 | 22 | 3 | 9 | 10 |
| SPEIGHTSTER | 2018 | NA | DEAD | 4 | 11 | 5 | 20 | 3 | 11 | 6 |
| FROSTED | 2018 | NA | KY | 4 | 6 | 9 | 19 | 10 | 3 | 6 |
| LAOBAN | 2018 | NA | DEAD | 5 | 1 | 8 | 14 | 1 | 8 | 5 |
| SHALAA | 2018 | EU | AUS | 2 | 5 | 7 | 14 | 3 | 6 | 5 |
| UPSTART | 2018 | NA | KY | 6 | 3 | 4 | 13 | 1 | 5 | 7 |
| AIR FORCE BLUE | 2018 | NA | KOR | 5 | 3 | 5 | 13 | 1 | 5 | 7 |
| BELARDO | 2018 | EU | ENG | 3 | 1 | 8 | 12 | 1 | 4 | 7 |
| RUNHAPPY | 2018 | NA | KY | 5 | 2 | 4 | 11 | 1 | 3 | 7 |
| WAR DANCER | 2018 | NA | NY | 1 | 2 | 8 | 11 | 2 | 4 | 5 |
| EXAGGERATOR | 2018 | NA | LA | 2 | 3 | 5 | 10 | 1 | 5 | 4 |
| TOURIST | 2018 | NA | NY | 1 | 6 | 3 | 10 | 1 | 4 | 5 |

TABLE 6. 18 NA-EU F2017 SIRES WITH 10+ ABC RUNNERS 2022

| SIRE | FFLS | LOC | ST | Α | В | С | ABC | 2YO | зуо | 4YO | 5YO+ |
|------------------|------|-----|-----|----|----|----|-----|-----|-----|-----|------|
| AMERICAN PHAROAH | 2017 | NA | KY | 8 | 6 | 20 | 34 | 3 | 8 | 11 | 12 |
| CONSTITUTION | 2017 | NA | KY | 15 | 3 | 15 | 33 | 3 | 12 | 9 | 9 |
| LIAM'S MAP | 2017 | NA | KY | 3 | 11 | 7 | 21 | 0 | 7 | 8 | 6 |
| HONOR CODE | 2017 | NA | KY | 3 | 5 | 12 | 20 | 5 | 6 | 6 | 3 |
| NIGHT OF THUNDER | 2017 | EU | IRE | 8 | 4 | 7 | 19 | 2 | 7 | 4 | 6 |
| MUHAARAR | 2017 | EU | FR | 6 | 10 | 2 | 18 | 2 | 9 | 3 | 4 |
| TONALIST | 2017 | NA | KY | 5 | 5 | 7 | 17 | 0 | 4 | 8 | 5 |
| GOLDEN HORN | 2017 | EU | ENG | 3 | 2 | 11 | 16 | 0 | 4 | 10 | 2 |
| SUMMER FRONT | 2017 | NA | KY | 4 | 2 | 8 | 14 | 0 | 6 | 5 | 3 |
| TAPITURE | 2017 | NA | KY | 2 | 4 | 8 | 14 | 0 | 7 | 6 | 1 |
| CARPE DIEM | 2017 | NA | LA | 1 | 4 | 9 | 14 | 1 | 7 | 3 | 3 |
| BAYERN | 2017 | NA | KOR | 3 | | 9 | 12 | 2 | 2 | 1 | 7 |
| CABLE BAY | 2017 | EU | ENG | 1 | 4 | 7 | 12 | 1 | 1 | 5 | 5 |
| KHOZAN | 2017 | NA | FL | 1 | 4 | 7 | 12 | 2 | 4 | 3 | 3 |
| GLENEAGLES | 2017 | EU | IRE | 5 | | 6 | 11 | 1 | 3 | 4 | 3 |
| OUTSTRIP | 2017 | EU | ARG | 3 | 2 | 6 | 11 | 2 | 5 | 4 | 0 |

TABLE 7. 12 NA-EU F2016 SIRES WITH 10+ ABC RUNNERS 2022

| SIRE | FFLS | LOC | ST | Α | В | С | ABC | 2YO | зуо | 4YO | 5YO+ |
|-----------------|------|-----|-----|----|----|----|-----|-----|-----|-----|------|
| KINGMAN | 2016 | EU | ENG | 15 | 11 | 11 | 37 | 6 | 8 | 12 | 11 |
| CAIRO PRINCE | 2016 | NA | KY | 6 | 1 | 14 | 21 | 3 | 10 | 5 | 3 |
| NO NAY NEVER | 2016 | EU | IRE | 9 | 2 | 9 | 20 | 10 | 5 | 4 | 1 |
| CENTRAL BANKER | 2016 | NA | NY | 7 | 2 | 6 | 15 | 1 | 6 | 1 | 7 |
| GOLDENCENTS | 2016 | NA | KY | 4 | 3 | 8 | 15 | 4 | 4 | 2 | 5 |
| UNCAPTURED | 2016 | NA | KOR | 4 | 5 | 5 | 14 | 1 | 5 | 5 | 3 |
| AUSTRALIA | 2016 | EU | IRE | 6 | 1 | 5 | 12 | 1 | 5 | 3 | 3 |
| TORONADO | 2016 | EU | AUS | 1 | 3 | 8 | 12 | 1 | 4 | 3 | 4 |
| SEA THE MOON | 2016 | EU | ENG | 5 | 2 | 4 | 11 | 3 | 6 | 1 | 1 |
| FED BIZ | 2016 | NA | AB | 1 | 3 | 7 | 11 | 0 | 5 | 1 | 5 |
| MUCHO MACHO MAN | 2016 | NA | KY | 2 | 3 | 5 | 10 | 1 | 1 | 2 | 6 |
| SOUPER SPEEDY | 2016 | NA | ON | 1 | 4 | 5 | 10 | 2 | 4 | 3 | 1 |

TABLE 8. 32 NA-EU SIRES WITH 5+ 2YO ABC RUNNERS 2022

| SIRE | FFLS | LOC | ST | Α | В | С | ABC | 2YO | зуо | 4YO | 5YO+ |
|-------------------|------|-----|-----|----|----|----|-----|-----|-----|-----|------|
| KODIAC | 2008 | EU | IRE | 8 | 13 | 22 | 43 | 12 | 17 | 9 | 5 |
| INTO MISCHIEF | 2010 | NA | KY | 30 | 18 | 25 | 73 | 11 | 23 | 25 | 14 |
| HAVANA GREY | 2020 | EU | ENG | 4 | 2 | 5 | 11 | 11 | 0 | 0 | 0 |
| PRACTICAL JOKE | 2019 | NA | KY | 7 | 2 | 22 | 31 | 10 | 21 | 0 | 0 |
| NO NAY NEVER | 2016 | EU | IRE | 9 | 2 | 9 | 20 | 10 | 5 | 4 | 1 |
| FROSTED | 2018 | NA | KY | 4 | 6 | 9 | 19 | 10 | 3 | 6 | 0 |
| BOLT D'ORO | 2020 | NA | KY | 3 | | 7 | 10 | 10 | 0 | 0 | 0 |
| JUSTIFY | 2020 | NA | KY | 5 | 2 | 3 | 10 | 10 | 0 | 0 | 0 |
| DUBAWI | 2007 | EU | ENG | 31 | 10 | 23 | 64 | 8 | 26 | 20 | 10 |
| DARK ANGEL | 2009 | EU | IRE | 19 | 10 | 18 | 47 | 8 | 14 | 12 | 13 |
| SHOWCASING | 2012 | EU | ENG | 7 | 2 | 12 | 21 | 8 | 4 | 3 | 6 |
| ARMY MULE | 2020 | NA | KY | 1 | 1 | 6 | 8 | 8 | 0 | 0 | 0 |
| KINGMAN | 2016 | EU | ENG | 15 | 11 | 11 | 37 | 6 | 8 | 12 | 11 |
| QUALITY ROAD | 2012 | NA | KY | 9 | 12 | 15 | 36 | 6 | 10 | 13 | 7 |
| NYQUIST | 2018 | NA | KY | 8 | 5 | 13 | 26 | 6 | 10 | 10 | 0 |
| DANDY MAN | 2011 | EU | IRE | 2 | 2 | 14 | 18 | 6 | 3 | 4 | 5 |
| GOOD MAGIC | 2020 | NA | KY | 4 | 1 | 1 | 6 | 6 | 0 | 0 | 0 |
| SIOUX NATION | 2020 | EU | IRE | 3 | 2 | 1 | 6 | 6 | 0 | 0 | 0 |
| MUNNINGS | 2012 | NA | KY | 14 | 7 | 13 | 34 | 5 | 10 | 9 | 10 |
| GUN RUNNER | 2019 | NA | KY | 14 | 8 | 9 | 31 | 5 | 26 | 0 | 0 |
| CANDY RIDE | 2006 | NA | KY | 5 | 8 | 12 | 25 | 5 | 8 | 7 | 5 |
| VIOLENCE | 2015 | NA | KY | 4 | 7 | 12 | 23 | 5 | 9 | 5 | 4 |
| HONOR CODE | 2017 | NA | KY | 3 | 5 | 12 | 20 | 5 | 6 | 6 | 3 |
| ACCLAMATION-GB | 2005 | EU | IRE | 3 | 5 | 8 | 16 | 5 | 5 | 2 | 4 |
| CROSS TRAFFIC | 2016 | NA | KY | 2 | 3 | 3 | 8 | 5 | 1 | 1 | 1 |
| CITY OF LIGHT | 2020 | NA | KY | 1 | 2 | 2 | 5 | 5 | 0 | 0 | 0 |
| GIRVIN | 2020 | NA | KY | 4 | | 1 | 5 | 5 | 0 | 0 | 0 |
| MENDELSSOHN | 2020 | NA | KY | 1 | 2 | 2 | 5 | 5 | 0 | 0 | 0 |
| MO TOWN | 2020 | NA | KY | 1 | 1 | 3 | 5 | 5 | 0 | 0 | 0 |
| OSCAR PERFORMANCE | 2020 | NA | KY | 3 | | 2 | 5 | 5 | 0 | 0 | 0 |
| SAXON WARRIOR | 2020 | EU | IRE | 4 | | 1 | 5 | 5 | 0 | 0 | 0 |
| SHARP AZTECA | 2020 | NA | KY | 2 | 2 | 1 | 5 | 5 | 0 | 0 | 0 |

TABLE 9. 36 NA-EU SIRES WITH 10+ 3YO ABC RUNNERS 2022

| SIRE | FFLS | LOC | ST | Α | В | С | ABC | 2YO | зүо | 4YO | 5YO+ |
|--------------------|------|-----|------|----|----|----|-----|-----|-----|-----|------|
| DUBAWI | 2007 | EU | ENG | 31 | 10 | 23 | 64 | 8 | 26 | 20 | 10 |
| GUN RUNNER | 2019 | NA | KY | 14 | 8 | 9 | 31 | 5 | 26 | 0 | 0 |
| FRANKEL | 2014 | EU | ENG | 25 | 9 | 15 | 49 | 4 | 25 | 13 | 7 |
| INTO MISCHIEF | 2010 | NA | KY | 30 | 18 | 25 | 73 | 11 | 23 | 25 | 14 |
| PRACTICAL JOKE | 2019 | NA | KY | 7 | 2 | 22 | 31 | 10 | 21 | 0 | 0 |
| LOPE DE VEGA | 2012 | EU | IRE | 17 | 11 | 16 | 44 | 4 | 18 | 11 | 11 |
| UNCLE MO | 2013 | NA | KY | 16 | 8 | 18 | 42 | 4 | 18 | 8 | 12 |
| SIYOUNI | 2012 | EU | FR | 12 | 11 | 14 | 37 | 4 | 18 | 3 | 12 |
| ARROGATE | 2019 | NA | DEAD | 7 | 5 | 9 | 21 | 3 | 18 | 0 | 0 |
| KODIAC | 2008 | EU | IRE | 8 | 13 | 22 | 43 | 12 | 17 | 9 | 5 |
| GALILEO | 2003 | EU | DEAD | 14 | 3 | 14 | 31 | 3 | 17 | 7 | 4 |
| TAPIT | 2006 | NA | KY | 8 | 11 | 17 | 36 | 3 | 15 | 11 | 7 |
| NOT THIS TIME | 2018 | NA | KY | 14 | 10 | 8 | 32 | 1 | 15 | 16 | 0 |
| DARK ANGEL | 2009 | EU | IRE | 19 | 10 | 18 | 47 | 8 | 14 | 12 | 13 |
| MACLEAN'S MUSIC | 2014 | NA | KY | 6 | 6 | 15 | 27 | 2 | 14 | 7 | 4 |
| MORE THAN READY | 2002 | NA | DEAD | 7 | 6 | 11 | 24 | 2 | 14 | 3 | 5 |
| PIONEEROF THE NILE | 2011 | NA | DEAD | 14 | 7 | 12 | 33 | 2 | 13 | 10 | 8 |
| SEA THE STARS | 2011 | EU | IRE | 16 | 1 | 15 | 32 | 1 | 13 | 12 | 6 |
| CONNECT | 2019 | NA | KY | 1 | 6 | 10 | 17 | 4 | 13 | 0 | 0 |
| CHURCHILL | 2019 | EU | IRE | 6 | 1 | 9 | 16 | 3 | 13 | 0 | 0 |
| CUPID | 2019 | NA | KY | 3 | 5 | 5 | 13 | 0 | 13 | 0 | 0 |
| CONSTITUTION | 2017 | NA | KY | 15 | 3 | 15 | 33 | 3 | 12 | 9 | 9 |
| MEDAGLIA D'ORO | 2006 | NA | KY | 7 | 2 | 12 | 21 | 2 | 12 | 4 | 3 |
| ZARAK | 2019 | EU | FR | 6 | 2 | 5 | 13 | 1 | 12 | 0 | 0 |
| CURLIN | 2010 | NA | KY | 23 | 5 | 17 | 45 | 3 | 11 | 17 | 14 |
| SPEIGHTSTER | 2018 | NA | DEAD | 4 | 11 | 5 | 20 | 3 | 11 | 6 | 0 |
| SHACKLEFORD | 2014 | NA | KOR | 6 | 5 | 8 | 19 | 2 | 11 | 2 | 4 |
| KEEN ICE | 2019 | NA | KY | 1 | 3 | 7 | 11 | 0 | 11 | 0 | 0 |
| QUALITY ROAD | 2012 | NA | KY | 9 | 12 | 15 | 36 | 6 | 10 | 13 | 7 |
| MUNNINGS | 2012 | NA | KY | 14 | 7 | 13 | 34 | 5 | 10 | 9 | 10 |
| NYQUIST | 2018 | NA | KY | 8 | 5 | 13 | 26 | 6 | 10 | 10 | 0 |
| TWIRLING CANDY | 2013 | NA | KY | 7 | 4 | 15 | 26 | 2 | 10 | 8 | 6 |
| WAR FRONT | 2008 | NA | KY | 8 | 6 | 11 | 25 | 2 | 10 | 6 | 7 |
| KITTEN'S JOY | 2007 | NA | DEAD | 5 | 7 | 11 | 23 | 1 | 10 | 3 | 9 |
| CAIRO PRINCE | 2016 | NA | KY | 6 | 1 | 14 | 21 | 3 | 10 | 5 | 3 |
| CLASSIC EMPIRE | 2019 | NA | KY | 2 | 4 | 7 | 13 | 3 | 10 | 0 | 0 |

SECTION 3: WORLDWIDE SALES TICKER



Magic Millions Gold Coast Yearling Sale Topper, AU\$2,700,000 Lot 606 I Am Invincible x Anaheed (Fastnet Rock), consigned by Segenhoe Stud and Signed for by Tom Magnier, the colt represents the all-time record price at the sale. Photo courtesy Magic Millions

FIRST TWO SALES OF 2023: SUSTAINING RECORD PRICES

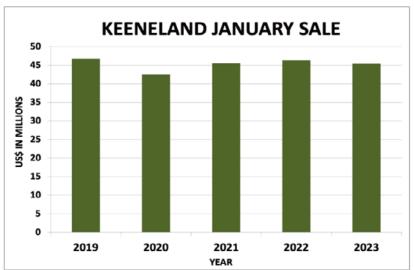
After record sales of over \$1-billion in the Northern Hemisphere yearling auction market and \$2-billion total, plus record sales of nearly A\$700-million of Australasian yearlings, the first two major sales of 2023 saw both sales – Magic Millions Gold Coast Yearlings in Australia and Keeneland January in the US – finish with virtually identical numbers to 2022. The Magic Millions sale (all Books) totaled A\$243,250,000, which was a .2% increase (two-tenths of 1%, +A\$580,000) from the 2022 record of A\$242,670,000, with an average of A\$241,319, an increase of .7% (seven-tenths of 1%) from the 2022 record average of A\$239,556. In other words, about as close to dead even as you can get. The one difference was a 4% increase in the number catalogued (1,279 vs 1,235) and a 3.2% drop in the percentage sold from the catalogue (78.8% from 82.0%).

One a significantly lower scale Keeneland January grossed \$45,408,300, a 2% drop from the 2022 gross of \$46,341,100 while the average of \$47,202 was a 3% increase from \$45,746 in 2022. The difference here was a 3.5% drop in the clearance rate from the catalogue, which was 59.5% compared to 63.0% last year. With just nine more catalogued (including supplements) 51 fewer horses sold than last year. Given the high percentage of withdrawals from American sales (23% this year, 22% last year at Keeneland January) compared to Europe and Australasia, where the withdrawal rates are typically more like 10%, we prefer to show percentages of sold/catalogue rather than sold/ring, but by the latter metric the drop was a similar 3.6%, from 80.7% sold/ring in 2022 to 77.1% this year. At Magic Millions there was a 4% drop in the sold/ring percentage, from an amazing 92.2% last year to a still very impressive 88.2% this year.

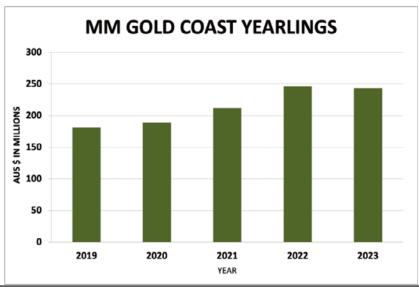
Whether these statistics will be a blueprint for 2023 sales, who knows just yet? But it's striking that the metrics were so close to 2022. Plenty will happen as we continue into further Australasian yearling sales, February's European mixed sales, and then the NA/EU 2-year-old in training sales over the next few months but from what we can tell from the first two major sales of this year, the market is plateauing after a record-breaking 2022 which saw 10%-15% gains in the thoroughbred auction marketplace. We'd say most auction houses would be very happy with that outcome.

WORLDWIDE SALES TICKER

Through January 20, 2023



| YEAR | CAT | RING | SOLD | % W/D | % S/R | % S/C | GROSS \$ | AVG \$ |
|------|-------|-------|-------|-------|-------|-------|------------|--------|
| 2023 | 1,618 | 1,248 | 962 | 22.9% | 77.1% | 59.5% | 45,408,300 | 47,202 |
| 2022 | 1,609 | 1,256 | 1,013 | 21.9% | 80.7% | 63.0% | 46,341,100 | 45,746 |
| 2021 | 1,608 | 1,223 | 998 | 23.9% | 81.6% | 62.1% | 45,522,100 | 45,613 |
| 2020 | 1,856 | 1,338 | 1,106 | 27.9% | 82.7% | 59.6% | 42,480,500 | 38,409 |
| 2019 | 1,555 | 1,181 | 916 | 24.1% | 77.6% | 58.9% | 46,759,000 | 51,047 |



| YEAR | CAT | RING | SOLD | % W/D | % S/R | % S/C | GROSS AU\$ | AVG AU\$ |
|------|-------|-------|-------|-------|-------|-------|-------------|----------|
| 2023 | 1,279 | 1,143 | 1,008 | 10.6% | 88.2% | 78.8% | 243,250,000 | 241,319 |
| 2022 | 1,235 | 1,099 | 1,013 | 11.0% | 92.2% | 82.0% | 242,670,000 | 239,556 |
| 2021 | 1,286 | 1,169 | 1,016 | 9.1% | 86.9% | 79.0% | 211,721,000 | 208,387 |
| 2020 | 1,086 | 998 | 870 | 8.1% | 87.2% | 80.1% | 189,119,850 | 217,379 |
| 2019 | 1,157 | 1,048 | 900 | 9.4% | 85.9% | 77.8% | 180,953,888 | 201,060 |

SECTION 4: BILL'S TWEETS



Bill Oppenheim @billoppenheim · Jan 18

2021 Horse Of The Year Knicks Go slashed to \$15,000 @TMStallions - now that's a bargain, or as we all like to say now, great value. As @TaylorMadeMark will remind you, he wasn't just a great 4yo/5yo- he also won the G1 Breeders Futurity @keeneland as a 2yo.



Bill Oppenheim @billoppenheim · Jan 14

Top 1st-yr sires 9+ @mmsnippets Book 1: 1 Blue Point 16/A\$378,125; 2 Too Darn Hot 14/\$276,786; 3 Pierata 25/\$263,000; 4 Microphone 13/\$233,077, 5 Zousain 25/\$228,800 @DarleyAus (3 of top 4) @AquisFarm @widdenstud. Then Alabama Express (9/\$207,778), Castelvecchio (12/\$196,667)



Bill Oppenheim @billoppenheim · Jan 14

Top sires 10+ @mmsnippets Book 1: I Am Invincible 44/A\$736,136 (7@\$1m+), Zoustar 30/\$628,667 (5), Exceed & Excel 12/\$590,000 (1), Snitzel 34/\$492,500 (3), Extreme Choice 12/\$487,083 (1) @yarramanpark @widdenstud @DarleyAus @ArrowfieldStud @NewgateFarm. 20 \$1m+/4 \$2m+ (19/0 '22)



Bill Oppenheim @billoppenheim · Jan 14

Final report @mmsnippets Book 1: 979 catalogued (+5% vs 2022), 877 ring, 776 sold (-1%), gross A\$228,411,000 (-1%), avg A\$294,344 (+1%), median A\$215,000 (-17%). Almost the same as record 2022 tho 88.5% sold/ring, 79.3% sold/cat were both down 5%. Top sire averages follow.



Bill Oppenheim @billoppenheim · Jan 13

Top 1st-yr sires @mmsnippets Book 1 (10+ sold): 1 Blue Point 16/\$378,125; 2 Too Darn Hot 12/\$288,750; 3 Pierata 21/\$275,952; 4 Microphone 13/\$233,077 @DarleyAus 3 of top 4 @AquisFarm. I had Justify on but @thethoroughbred sorted me out (has 2yo's), apologies.



Bill Oppenheim @billoppenheim · Jan 13

Top sires @mmsnippets Book 1, 10+ sold: I Am Invincible 42/A\$731,905 (7 @ A\$1m+); 2 Zoustar 27/\$631,852 (4); 3 Snitzel 33/\$495,303 (3) @yarramanpark @widdenstud @ArrowfieldStud. 4 Exceed & Excel 10/\$492,000 (1); 5 Extreme Choice 12/\$487,083 (1); 6 Fastnet Rock 11/\$417,727.



Bill Oppenheim @billoppenheim · Jan 13

2-sale report: still very similar to 2022. @keenelandsales January ended up \$45,408,300 gross (-2%), avg \$47,202 (+3%), pct sold -3%. @mmsnippets Book 1 now 91% complete, avg A\$297,259 +2% from whole sale 2022, sold pct -5%. Stable market but bit tougher to sell. Sire avgs follow



Bill Oppenheim @billoppenheim · Jan 12

Top 1st-yr sires @mmsnippets 5+ sold: 1 Justify 8/A\$338,750 (\$1.4m ex Sunlight); 2 Blue Point 11/\$332,727; 3 Pierata 15/\$321,000; 4 Microphone 12/\$250,417; 5 Zousain 18/\$223,333 @CoolmoreAus @DarleyAus @AquisFarm @widdenstud. Castlevecchio, Too Darn Hot, Yes Yes Yes also \$180k+



Bill Oppenheim @billoppenheim · Jan 12

Top sire avgs @mmsnippets 5+ sold: 1 I Am Invincible 35/\$660,429 incl 5 @ \$1m+; 2 Zoustar 21/\$632,381 (3); 3 Extreme Choice 6/\$578,333 (1); 4 Exceed And Excel 8/\$540,000 (1); 5 Snitzel 25/\$480,610 (2) @yarramanpark @widdenstud @NewgateFarm @DarleyAus @ArrowfieldStud



Bill Oppenheim @billoppenheim · Jan 12

Both sales edged ahead of last year's averages: @mmsnippets, now with 2/3 of the sale done, now averaging A\$306,240, +5% from '22 whole sale avg A\$292,748; @keenelandsales January, now 3/4 done, averaging \$57,882, +5% from '22 1st 3 sessions. MM1 sire averages follow.



Bill Oppenheim @billoppenheim · Jan 11

Interesting that in both @mmsnippets yearling sale in Australia and @keenelandsales January Book 1- both sales now ~1/2 way through-numbers for both very similar to 2022 tho % sold/cat both down. In Kee Book 1 there were 22 sold @ \$300k+ incl 5 for \$500k+, avg \$76,057.



Bill Oppenheim @billoppenheim · Jan 11

1st-crop sires @mmsnippets 1st 2 days 3+ sold: 1 Blue Point 9/A\$306,111; 2 Pierata 12/\$292,083; 3 Microphone 7/\$255,714; 4 Alabama Express 3/\$240,000; 5 Zousain 14/\$228,214. Also \$187k+: Yes Yes Yes, Castelvecchio, Justify @DarleyAus @AquisFarm @YulongInvest @widdenstud



Bill Oppenheim @billoppenheim · Jan 11

Big improvement @mmsnippets Wed, now 320 sold for A\$94,010,000, avg A\$293,781; 2022 whole sale avg \$292,748. Wed 186/206 sold/ring (90.3%), so sale now 87.0% sold/ring (93.7% whole sale '22) & 76.2% sold/cat (84.1% '22) so some drop-off there from record %. Next tweet: sire avgs.



Bill Oppenheim @billoppenheim · Jan 10

1st 2 days of selling 2023: @mmsnippets clearance rate -10% vs all 2022 sale (smashed records), avg A\$271,343 down 7% (vs whole sale) but word is figures should rise Wednesday. @keenelandsales January clearance rate -4% from Monday 2022, gross -10%, average dead even.



Bill Oppenheim @billoppenheim · Jan 9

The Australasian yearling sale market kicks off Tuesday with @mmsnippets Book 1. Last year's sale grossed a record A\$229m (+15% vs 2021), avg A\$292,748 (+16%), median A\$230,000 (+28%!). Tuesday 1st of 5 days-185 catalogued, then 230 next 3 days, final 89 Saturday after the races



Bill Oppenheim @billoppenheim · Jan 4

My Eclipse votes: 2yo c- Forte; 2yo f- Wonder Wheel; 3yo c- Epicenter; 3yo f- Nest; 4+ c & HoY- Flightline; 4+ f- Malathaat; Sprint - Jackie's Warrior; F/M Sprint- Goodnight Olive; Turf- Modern Games; F/M Turf- Tuesday; Owner & Breeder- Godolphin; Trainer- Pletcher; Jock- Irad.



Bill Oppenheim @billoppenheim · Jan 2

Already in 2023: @Gainesway Tapwrit, \$1.2mY & 1 of 4 Belmont S. winners by Tapit, sired impressive OP Smarty Jones winner @spendthriftfarm Victory Formation, now 3-for-3 for @bradcoxracing- Prat flew in to ride. Tapwrit now looks good at \$10k. 3yo form! @ejplantain